NORWICH™
UNIVERSITY

Norwich University

2025-2026 Norwich Catalog

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Academic Calendars

The University has two academic calendars. Residential Programs follow the full-semester calendar and may also offer course sections within the full semester as 8-week sessions. The Undergraduate Online Programs follow the 8-week sessions. The Graduate Online Programs follow the 11-week terms.

Future Academic Calendar Dates. To see dates from the previous academic year (Fall through Summer), see the 2024-25 Archived Catalogs.

Academic Calendar Landing Page

Residential Programs, Full Semester Academic Calendar

Refer to the 8-week calendar for courses offered in Session A or B.

Fall 2025

DATE	ACTIVITY
August 25	First Day of Semester Classes
August 27	Convocation (impacted classes suspended)
September 1	Labor Day (no classes)
September 2	Last Day to Add
September 2	Last Day to Drop (No record)
September 10	Participation Roster Due, non-participants removed in 24-72 hours
October 1	Spring and Summer Graduation Application Due
October 6	Spring Schedule Posted (tentative)
October 6	Mid-Term Grades Open
October 10	Fall Break (no classes)
October 6	Mid-Term Grades Open
October 13	Mid-Term Grades Due
October 13	Spring Advising Begins
October 20	Priority Registration Week Begins
October 27	Spring Graduate Registration Begins, 7:00 a.m.
October 27	Spring Senior (R2) Registration Begins, 7:00 a.m.
October 28	Spring Senior (R1) Registration Begins, 7:00 a.m.
October 29	Spring Junior (J2) Registration Begins, 7:00 a.m.
October 30	Spring Junior (J1) Registration Begins, 7:00 a.m.
November 3	Spring Sophomore (S2) Registration Begins, 7:00 a.m.
November 4	Spring Sophomore (S1) Registration Begins, 7:00 a.m.
November 5	Spring Freshmen (F2) Registration Begins, 7:00 a.m.
November 6	Spring Freshmen (F1) Registration Begins, 7:00 a.m.
November 7	Summer Full Semester Incomplete Due
November 10	Spring Non-Degree Seeking Student Registration
November 22-30	Thanksgiving Break (no classes) Residential Sections
December 6	Last day to Withdraw with "W"
December 9	Friday class meeting day (make up day from fall break)
December 10	Reading Day, classes suspended
December 11	Final Exams Begin
December 15	Final Exams End, Last Day of the Semester
December 18	Grades Due 10:00 a.m.
	Winter Session A (Graduate Courses offered in an Online Program)

November 16	Winter Session A Last Day to Drop (no record)
November 17	Winter Session A Term Begins
November 24	Winter Session A Last Day to Add
December 3	Winter Session A Participation Roster Due, non-participants removed in 24-72 hours
December 15	Winter Session A Ends (no grade)

Spring 2026

DATE	ACTIVITY
	Spring Semester Intersession
December 15	Intersession Last Day to Add
December 15	Intersession Last Day to Drop (No Record)
December 16	Intersession Begins
December 23	Intersession Participation Roster Due, non-participants removed in 24-72 hours
December 28	Intersession Last day to Withdraw with "W"
January 9	Intersession Ends
January 12	Intersession Grades Due 10:00 a.m.
	Winter Session B (Graduate Courses offered in an Online Program)
December 16	Winter Session B Begins
December 22-28	Winter Session B Break
January 31	Winter Session B Last Day to Drop with "W"
February 7	Winter Session B Ends
February 10	Winter Session B Grades Due (10 a.m.)
	Traditional Spring
January 12	First Day of Semester Classes
January 19	Last Day to Add
January 19	Last Day to Drop (No record)
January 21	Participation Roster Due, non-participants removed in 24-72 hours
February 16	Fall Schedule Posted (tentative)
February 16	Mid-Term Grades Open
February 23	Mid-Term Grades Due
February 23	Fall Advising Begins
March 1	December Graduation Application Due
February 28-March 8	Spring Break (no classes)
March 9	Priority Registration Week Begins
March 14	Fall Semester Incomplete Grade Due
March 16	Fall/Summer Graduate Registration Begins, 7:00 a.m.
March 16	Fall/Summer Senior (R2) Registration Begins, 7:00 a.m.
March 17	Fall/Summer Senior (R1) Registration Begins, 7:00 a.m.
March 18	Fall/Summer Junior (J2) Registration Begins, 7:00 a.m.
March 19	Fall/Summer Junior (J1) Registration Begins, 7:00 a.m.
March 23	Fall/Summer Sophomore (S2) Registration Begins, 7:00 a.m.

March 24	Fall/Summer Sophomore (S1) Registration Begins, 7:00 a.m.
March 25	Fall/Summer Freshmen (F2) Registration Begins, 7:00 a.m.
March 26	Fall/Summer Freshmen (F1) Registration Begins, 7:00 a.m.
March 30	Fall/Summer Non-Degree Seeking Student Registration
April 18	Last day to Withdraw with "W"
April 25	Reading Day, classes suspended
April 26	Final Exams Begin
April 30	Final Exams End, Last Day of the Semester
April 30	Commissioning Candidates Grades Due, 10 a.m.
May 2	Commencement
May 2	Commissioning
May 3	Grades Due 10:00 a.m.

Summer 2026

To see dates from the previous academic year (Fall through Summer), see the 2024-25 Archived Catalogs.

DATE ACTIVITY	ACTIVITY	
May 4	Semester Begins	
May 8	Winter Session Incomplete Due Date	
May 11	Last Day to Add	
May 11	Last Day to Drop (No record)	
May 13	Participation Roster Due, non-participants removed in 24-72 hours	
July 3	No classes, missed content must be made up	
Juny 24	Spring Semester Incomplete Grade Due	
August 1	Last day to Withdraw with "W"	
August 7	Semester Ends	
August 10	Grades Due 10:00 a.m.	

Academic Calendar Landing Page

Undergraduate Programs, 8-Week Sessions Academic Calendar

Fall 2025

DATE	ACTIVITY
August 24	Session A Last Day to Drop (No record)
August 25	Session A Begins
September 1	Labor Day (no classes)
September 2	Session A Last Day to Add
September 10	Session A Participation Roster Due, non-participants removed in 24-72 hours
September 25	Summer, Session A Incomplete Due
October 1	Spring and Summer Graduation Application Due
October 6	Spring Schedule Posted (tentative)
October 11	Session A Last Day to Withdraw "W"
October 18	Session A Ends
October 19	Session B Last Day to Drop (No record)
October 20	Session B Begins
October 21	Session A Grades Due 10:00 a.m.
October 28	Session B Last Day to Add
November 5	Session B Participation Roster Due, non-participants removed in 24-72 hours
November 6	Spring Graduate Registration Begins, 7:00 a.m.
November 6	Spring Senior (R2) Registration Begins, 7:00 a.m.
November 7	Spring Senior (R1) Registration Begins, 7:00 a.m.
November 10	Spring Junior (J2) Registration Begins, 7:00 a.m.
November 11	Spring Junior (J1) Registration Begins, 7:00 a.m.
November 12	Spring Sophomore (S2) Registration Begins, 7:00 a.m.
November 13	Spring Sophomore (S1) Registration Begins, 7:00 a.m.
November 14	Spring Freshmen (F2) Registration Begins, 7:00 a.m.
November 17	Spring Freshmen (F1) Registration Begins, 7:00 a.m.
November 20	Spring Non-Degree Seeking Student Registration
November 13	Summer, Session B Incomplete Due
November 20	Summer, Session B (MAT) Incomplete Due
November 24	Online Programs Spring Registration Opens, 7:00 a.m.
December 6	Session B Last day to Withdraw "W"
December 13	Session B Ends
December 16	Grades Due Session B 10:00 a.m.

Spring 2026

DATE	ACTIVITY
January 11	Session A Last Day to Drop (No record)
January 12	Session A Begins
January 19	Session A Last Day to Add
January 16	Fall, Session A Incomplete Due
January 21	Session A Participation Roster Due, non-participants removed in 24-72 hours
February 16	Summer/Fall Schedule Posted (tentative)
February 28	Session A Last Day to Withdraw "W"
March 1	December Graduation Application Due
March 7	Session A Ends
March 8	Session B Last Day to Drop (No record)
March 9	Session B Begins
March 10	Session A Grades Due 10:00 a.m.
March 16	Session B Last Day to Add
March 14	Fall, Session B Incomplete Due
March 16	Graduate Summer/Fall Registration Begins, 7:00 a.m.
March 16	Senior (R2) Summer/Fall Registration Begins, 7:00 a.m.
March 17	Senior (R1) Summer/Fall Registration Begins, 7:00 a.m.
March 18	Junior (J2) Summer/Fall Registration Begins, 7:00 a.m.
March 18	Session B Participation Roster Due, non-participants removed in 24-72 hours
March 19	Junior (J1) Summer/Fall Registration Begins, 7:00 a.m.
March 23	Sophomore (S2) Summer/Fall Registration Begins, 7:00 a.m.
March 23	Online Programs Summer Registration Opens, 7:00 a.m.
March 24	Sophomore (S1) Summer/Fall Registration Begins, 7:00 a.m.
March 25	Freshmen (F2) Summer/Fall Registration Begins, 7:00 a.m.
March 26	Freshmen (F1) Summer/Fall Registration Begins, 7:00 a.m.
March 30	Non-Degree Seeking Student Summer/Fall Registration
April 25	Session B Last day to Withdraw "W"
May 2	Session B Ends
May 2	Commencement
May 2	Commissioning
May 5	Grades Due Session B Due 10:00 a.m.

Summer 2026

To see dates from the previous academic year (Fall through Summer), see the 2024-25 Archived Catalogs.

SESSIONS	DATE	ACTIVITY
Session A Online Programs	May 3	Last Day to Drop (No record)
Session A Online Programs	May 4	Session Begins
Session A Online Programs	May 11	Last Day to Add
Session A Online Programs	May 13	Participation Roster Due, non-participants removed in 24-72 hours
Session A Online/Residential Programs	May 29	Spring, Session A Incomplete Due
Session A Online Programs	June 20	Last day to Withdraw "W"
Session A Online Programs	June 27	Session Ends
Session A Online Programs	June 30	Grades Due 10:00 a.m.
Session C/MAT Residential Courses	May 3	Last Day to Drop (No record)
Session C/MAT Residential Courses	May 4	Session Begins
Session C/MAT Residential Courses	May 11	Last Day to Add
Session C/MAT Residential Courses	May 13	Participation Roster Due, non-participants removed in 24-72 hours
Session C/MAT Residential Courses	June 13	Last day to Withdraw "W"
Session C/MAT Residential Courses	June 19	Session Ends
Session C/MAT Residential Courses	June 22	Grades Due 10:00 a.m.
Session B Online Programs	June 28	Last Day to Drop (No record)
Session B Online Programs	June 29	Session Begins
Session B Online Programs	July 7	Last Day to Add
Session B Online Programs	July 9	Online Programs Fall Registration Opens, 7:00 a.m.
Session B Online Programs	July 15	Participation Roster Due, non-participants removed in 24-72 hours
Session B Online/Residential Programs	July 24	Spring, Session B Incomplete Due
Session B Online Programs	August 15	Last day to Withdraw "W"
Session B Online Programs	August 22	Session Ends
Session B Online Programs	August 25	Grades Due 10:00 a.m.
Session D Residential Courses	June 21	Last Day to Drop (No record)
Session D Residential Courses	June 22	Session Begins
Session D Residential Courses	June 29	Last Day to Add
Session D Residential Courses	July 1	Participation Roster Due, non-participants removed in 24-72 hours
Session D Residential Courses	August 1	Last day to Withdraw "W"
Session D Residential Courses	August 7	Session Ends
Session D Residential Courses	August 10	Grades Due 10:00 a.m.

Session MAT	June 21	Last Day to Drop (No record)
Session MAT	June 22	Last Day to Add
Session MAT	June 22	Session Begins
Session MAT	June 24	Participation Roster Due, non-participants removed in 24-72 hours
Session MAT	August 22	Last day to Withdraw "W"
Session MAT	August 29	Session Ends
Session MAT	September 1	Grades Due 10:00 a.m.

Academic Calendar Landing Page

Graduate Online Program Academic Calendar, Residential Programs with 11-week online course offerings

Fall 2025

DATE	ACTIVITY
August 24	Last Date to Drop (no record)
August 25	Term Begins
September 2	Last Day to Add
September 10	Participation Roster Due, non-participants removed in 24-72 hours
October 1	Spring and Summer Graduation Application Due
October 10	Winter Registration Opens
November 1	Last Day to Withdraw "W"
October 31	Summer Incomplete Due
November 8	Term Ends
November 11	Grades Due, 10:00 a.m.

Winter 2025-2026

DATE	ACTIVITY
November 16	Last Day to Drop (no record)
November 17	Term Begins
November 24	Last Day to Add
November 26	Participation Roster Due, non-participants removed in 24-72 hours
December 22 - December 28	Winter Break
January 5	Spring Registration Opens
January 31	Last Day to Withdraw "W"
February 6	Fall Term Incomplete Due
February 7	Term Ends
February 10	Grades Due, 10:00 a.m.

Spring 2026

DATE	ACTIVITY
February 15	Last Day to Drop (no record)
February 16	Term Begins
February 23	Last Day to Add
March 1	Fall and Winter Graduation Application Due
February 25	Participation Roster Due, non-participants removed in 24-72 hours
April 13	Summer Registration Opens
April 25	Last Day to Withdraw "W"
May 2	Term Ends
May 2	Commencement
May 5	Grades Due, 10:00 a.m.

Summer 2026

To see dates from the previous academic year (Fall through Summer), see the 2024-25 Archived Catalogs.

DATE	ACTIVITY
May 8	Winter Incomplete Due Date
May 24	Last Day to Drop (no record)
May 25	Term Begins
June 1	Last Day to Add
June 3	Participation Roster Due, non-participants removed in 24-72 hours
July 27	Fall Registration Opens
August 1	Last Day to Withdraw "W"
August 8	Spring Incomplete Due Date
August 8	Term Ends
August 11	Grades Due, 10:00 a.m.

Academic Calendar Landing Page

Final Exam Schedule

Residential, Full-semester courses is held to the Final Exam Policy.

Fall 2025

EXAM TIME BLOCK	DAY 1 12/11	DAY 2 12/12	DAY 3 12/13	DAY 4 12/14	DAY 5 12/15
0800-1000 8:00-10:00	Tues/Thurs 8-9:15 (exam block 6)	MWF 9-9:50 (exam block 11)	Tues/Thurs 9:30-10:45 (exam block 16)	MWF 10-10:50 (exam block 21)	MWF 8-8:50 (exam block 1)
1030-1230 10:30-12:30	MWF 11-11:50 (exam block 7)	MWF 1-1:50 (exam block 12)	MWF 12-12:50 (exam block 17)	M/Thurs 2:00-3:15 (exam block 22)	Tues/Thurs 11:00-12:15 (exam block 2)
1300-1500 1:00-3:00	Common (exam block 3)	Common (exam block 8)	Common (exam block 13)	Common (exam block 18)	Tues/Fri 2:00-3:15 (exam block 14)
1530-1730 3:30-5:30	Tues/Thurs 12:30-1:45 (exam block 23)	Block 9 Common	M/Thurs 3:30 or Later (exam block 4)	Common (exam block 19)	Tues/Fri 3:30 or Later (exam block 24)
1800-2000 6:00-8:00	Open (exam block 5)	Open (exam block 10)	Open (exam block 15)	Open (exam block 20)	Not Available

Spring 2026

EXAM TIME BLOCK	DAY 1 4/26	DAY 2 4/27	DAY 3 4/28	DAY 4 4/29	DAY 5 4/30
0800-1000 8:00-10:00	MWF 8-8:50 (exam block 1)	Tues/Thurs 8:00-9:15 (exam block 6)	MWF 9-9:50 (exam block 11)	Tues/Thurs 9:30-10:45 (exam block 16)	MWF 10-10:50 (exam block 21)
1030-1230 10:30-12:30	Tues/Thurs 11:00-12:15 (exam block 2)	MWF 11-11:50 (exam block 7)	MWF 1-1:50 (exam block 12)	MWF 12-12:50 (exam block 17)	M/Thurs 2:00-3:15 (exam block 22)
1300-1500 1:00-3:00	Common (exam block 3)	Common (exam block 8)	Common (exam block 13)	Common (exam block 18)	Tues/Thurs 12:30-1:45 (exam block 23)
1530-1730 3:30-5:30	M/Thurs 3:30 or Later (exam block 4)	Common (exam block 9)	Tues/Fri 3:30 or Later (exam block 24)	Common (exam block 19)	Tues/Fri 2:00-3:15 (exam block 14)
1800-2000 6:00-8:00	Open (exam block 5)	Open (exam block 10)	Open (exam block 15)	Open (exam block 20)	Not Available

Day: Displays classes that are held on the listed days, using the standard time block.

Time: Exam time

- Classes that meet during the majority of the hour(s) listed should meet in listed exam time block.
- All courses, other than Common Exams or alternative Blocks meet in the section's assigned classroom.
- In instances where a class meets outside of the standard time block causing student conflicts, schedule independently. May move to Exam Block 5, 10, 15, 20 or 24.
- Common Exams or Exams within unmarked Blocks must submit a request no later than two weeks before the start of the semester.*
- A student with more than two exams on one day may request to have one moved to an alternative day.*

*Forms on the internal, Registrar's SharePoint site.

Academic Calendar Landing Page

Windham Southeast Supervisory Union

Windham Southeast Supervisory Union
Concurrent enrollment program

Fall 2025

DATE	ACTIVITY
August 28	Semester Begins
September 3	Last Day to Add
September 5	Participation Roster Due, non-participants removed in 24-72 hours
September 20	Spring Semester Incomplete Due
November 1	Last Day to Drop (No record)
January 10, 2025	Last Day to Withdraw "W"
January 22, 2025	Semester Ends
January 25, 2025	Grades Due 10:00 a.m.

Spring 2026

DATE	ACTIVITY
January 26	Semester Begins
February 2	Last Day to Add
February 9	Participation Roster Due, non-participants removed in 24-72 hours
April 30	Last Day to Drop (No record)
April 17	Fall Semester Incomplete Due
June 13	Last Day to Withdraw "W"
June 22	Semester Ends
June 25	Grades Due 10:00 a.m.

Academic Calendar Landing Page

U32

U32 School District
Concurrent enrollment program

Fall 2025

DATE	ACTIVITY
August 27	Semester Begins
September 2	Last Day to Add
September 5	Participation Roster Due, non-participants removed in 24-72 hours
NA	Spring Semester Incomplete Due
November 1	Last Day to Drop (No record)
January 3, 2026	Last Day to Withdraw "W"
January 16, 2026	Semester Ends
January 19, 2026	Grades Due 10:00 a.m.

Spring 2026

DATE	ACTIVITY
January 26	Semester Begins
February 2	Last Day to Add
February 9	Participation Roster Due, non-participants removed in 24-72 hours
April 14	Fall Semester Incomplete Grade Due
April 30	Last Day to Drop (No record)
June 6	Last Day to Withdraw "W"
June 18	Semester Ends
June 21	Grades Due 10:00 a.m.
September 15	Spring Semester Incomplete Grade Due

Accelerated Master's Pathways

Accelerated Master's Pathways Program

The Accelerated Master's Pathways Program provides a unique opportunity for ambitious undergraduate students to fast-track their academic journey while upholding the rigorous standards of a Norwich education. Through this program, qualified students can earn up to twelve graduate credits typically during their senior year, significantly reducing both the time and cost required to complete their master's degree. Students in programs with an approved concurrent enrollment pathway may be required to earn more than twelve graduate credits.

Concurrent Enrollment Pathway

Concurrent enrollment allows students to take both undergraduate and graduate courses simultaneously. To be eligible, students must submit a request to enroll, which requires approval from both their undergraduate program and the graduate program. A maximum of six credits may be shared between the undergraduate and graduate programs. These shared credits will appear on both the undergraduate and graduate transcripts.

If a course does not fulfill an undergraduate degree requirement, it will only be recorded on the graduate transcript. The courses eligible for dual credit are specified within the undergraduate program's requirements. Additionally, the graduate program must consist of at least 30 credits taken at the graduate level.

Norwich Plus Pathway (Sequential)

An alternative pathway to accelerate a Norwich graduate degree is through the Norwich Plus pathway. The Norwich Plus pathway allows students to take specific undergraduate courses at Norwich that are designed to meet graduate-level competencies. Successful completion of these courses with a grade of B or higher will waive up to six graduate credits. The waived credits are assessed during the graduate program admission process.

No application is required to participate in the Norwich Plus pathway. To complete both degrees, students must accumulate a minimum of 150 total credits.

Accelerated Master's Programs

UNDERGRADUATE PROGRAM	GRADUATE PROGRAM
Computer Science Residential Cybersecurity & Advanced Technology Residential Cybersecurity Online	Cybersecurity (M.S.) Online
Criminal Justice BA Residential	Public Administration Online
Exercise Science Residential Health Science Residential	Master of Athletic Training Residential
Nursing - RN-BS Online Nursing - Accelerated Residential	Nursing - Nurse Educator Online Nursing - Nurse Practitioner Online Nursing - Healthcare Systems Leadership Online

Norwich Plus Program to Program

See also the below course to course chart

UNDERGRADUATE PROGRAM	GRADUATE PROGRAM
Accounting Residential Engineering - Civil Residential Construction Management Residential International Business Residential Management Residential	Business Administration Online
Cybersecurity & Advanced Technology Residential Cybersecurity Online	Cybersecurity (M.S.) Online
History Residential	History Online
Interdisciplinary Studies Residential/Online Leadership Residential/Online Management Residential	Leadership (M.S.) Online
Accounting Residential Management Residential Business Administration Online	Management Online
History Residential	Military History Online
Criminology Residential Management Residential Business Administration (B.S.) Online Management Studies Online	Public Administration Online
Public Health Residential & Online	Master of Public Health Online
International Business Residential Political Science Residential Strategic Studies & Defense Analysis (B.S.) Online National Security Studies Online	Strategic Studies (M.A.) Online
Strategic Studies & Defense Analysis (B.S.) Online National Security Studies Online	Defense Policy (Online)

Norwich Plus Course-to-Course listing

UNDERGRADUATE COURSE OR COURSE COMBINATION	GRADUATE COURSE WAIVED (UP TO 6 CREDITS)	GRADUATE PROGRAM
MNGT402 Sem in Leadership II Styles EQ	OL520 Emotional Intelligence	Leadership (M.S.)
EG350 Engr Econ & Decision Analysis and CE460 Construction Management or Two of: MG409 Organizational Leadership, MG449 Admin Policy and Strategy, MNGT403 Leadership of Change, MNGT404 Leadershp in Tech-Driven World, MNGT423 Human Capital Planning, MNGT424 Strategic Role of HRM	GB511 Org. Behavior Resource Mngt	Business Administration Leadership (M.S.) Management Public Administration
Two of: FN407 Advanced Financial Management, FNCE407 Corporate Finance II, FNCE412 - Missing course, MG449 Admin Policy and Strategy	GB522 Managerial Finance	Business Administration
Two of: MG314 Marketing Management, MG416 Advanced Marketing, MG310 Production/ Operations Managmt (MNGT311), FNCE411 Risk Management	GB532 Strategic Mktg & Operatns Mgt	Business Administration
MNGT475 Proj Mngt Fundamentals and MNGT476 Proj Mngt Advncd Technqs	GB544 Project Mgt Techniques (will not be applied to concentrations in Project Management, Contruction Management, or Technology Management)	Business Administration
Two of: FNCE411 Risk Management, MG319 Int'l Dimensions of Business, MG409 Organizational Leadership, MG449 Admin Policy and Strategy, MG310 Production/Operations Managmt (MNGT311), MNGT403 Leadership of Change, MNGT404 Leadershp in Tech-Driven World or Two of: AC400 Data Analytics for Accountants, AC428 Auditing, AC430 Governmental & NFP Accntg, EC419 International Economics, MG449 Admin Policy and Strategy, MG310 Production/Operations Managmt (MNGT311), MNGT403 Leadership of Change, MNGT404 Leadershp in Tech-Driven World, MNGT475 Proj Mngt Fundamentals, MNGT476 Proj Mngt Advncd Technqs, SA400 Business of Being an Artist or One of: MNGT401 Sem in Leadership I:Fundamntls, MNGT402 Sem in Leadership II Styles EQ, MNGT421 Sem in Human Resource Mngt I, MNGT422 Sem in Human Resource Mngt II, MNGT447 Suply Chn Mngt Strat Plan Oper	Elective (General Concentration, Critical Infrastructure Protection & Cyber Crime Concentration, Critical Infrastructure & Cyber Crime Concentration, Cyber Law & International Perspectives on Cyberspace Concentration, Finance Concentration, International Business Concentration, or Technology Management Concentration)	Business Administration
MNGT447 Suply Chn Mngt Strat Plan Oper	GB547 Supply Chain Strategy	Public Administration Leadership (M.S.) Management
MNGT475 Proj Mngt Fundamentals and MNGT476 Proj Mngt Advncd Technqs	GB544 Project Mgt Techniques	Public Administration Leadership (M.S.) Management
MNGT403 Leadership of Change and MNGT423 Human Capital Planning or LEAD311 Global Leadership and LEAD402 Leadership Capstone, or MNGT401 Sem in Leadership I:Fundamntls	OL510 Leadership Fundamentals	Public Administration Leadership (M.S.) Management
Two of: CRIM410 Capstone Seminar, CRIM444 Crime Analysis and Mapping, CJ403 Criminal Justice Administratn, CJ421 Comparative CJ Systems, DF411 Cyber Investigation, DF425 Advanced Digital Forensics, SOCI401 Culture and Anthropology	Elective (Non-Specialized Concentration), or Elective (Criminal Justice & Public Safety Concentration)	Public Administration Leadership (M.S.) Management

LEAD401 Leadership Internship or MNGT402 Sem in Leadership II Styles EQ or, MNGT403 Leadership of Change and MNGT404 Leadershp in Tech-Driven World or MG450 Internship in Management (6 credits) or MNGT421 Sem in Human Resource Mngt I or MNGT422 Sem in Human Resource Mngt II or Two of: AC400 Data Analytics for Accountants, AC419 Taxation I, AC420 Advanced Federal Income Tax, AC428 Auditing, AC430 Governmental & NFP Accntg, AC441 Cost Accounting, AC442 Advanced Accounting, EC406 Public Finance, EC419 International Economics, EE463 Communication Systems, EGCM461 Project Management, FNCE407 Corporate Finance II, MG351 Organizational Behavior, MG408 Human Resources Management, MG441 Integrated Marketing Commun., MG449 Admin Policy and Strategy, MG310 Production/Operations Managmt (MNGT311), HHPR504 Advanced Emergency Management, PUBH421 Disaster Resp & Mngt II, SA400 Business of Being an Artist or Two of: AC441 Cost Accounting, AC442 Advanced Accounting, FNCE407 Corporate Finance II, FNCE411 Risk Management, FNCE412 - Missing course, MG310 Production/Operations Managmt (MNGT311), MG319 Int'l Dimensions of Business, MG409 Organizational Leadership, MG449 Admin Policy and Strategy, MG416 Advanced Marketing, MG441 Integrated Marketing Commun., MNGT403 Leadership of Change, MNGT404 Leadershp in Tech-Driven World, MNGT423 Human Capital Planning, MNGT424 Strategic Role of HRM, MNGT441 Public Procure and Contract, MNGT442 Public Procure and Strat Plan, MNGT451 Fin Plng Proc & Fundmntals, MNGT452 Risk Mngt and Ins Planning, MNGT456 Case Studies Pers Fin Plng, MNGT475 Proj Mngt Fundamentals, MNGT476 Proj Mngt Advncd Techngs	Elective (Non-Specialized Concentration)	Public Administration Leadership (M.S.) Management
IA340 Intro to Information Assurance and IA342 Management of Info Assurance	GI512 Mastering Cyber Foundations	Cybersecurity (M.S.)
HI372 Military History US I and HI373 Military History US II 1902-	MH550 US Military History	History Military History
MNGT400 Capstone or two of: MNGT451 Fin Plng Proc & Fundmntals, MNGT452 Risk Mngt and Ins Planning, MNGT453 Investment Planning, MNGT454 Income Tax and Estate Planning, MNGT455 Retirement and Edu Planning, MNGT456 Case Studies Pers Fin Plng, FNCE411 Risk Management, FNCE412 - Missing course, CYBR410 Systems Assurance, MG416 Advanced Marketing, MG441 Integrated Marketing Commun., AC441 Cost Accounting, AC442 Advanced Accounting, ECON401 Economic Studies, IA340 Intro to Information Assurance	Elective (Non-Specialized Concentration)	Leadership (M.S.) Management
MG450 Internship in Management Two of: CE460 Construction Management, EG400 Design Thinking and Innovation, EGCM401 Pre-Construction Mgt, EGCM412 Construction Administration, EGCM461 Project Management, EE478 Control Systems	Elective	Management
Two of: CS420 Computer Science Capstone I, CS421 Computer Science capstone II, CS430 Comp Sci Undergrad Thesis I, CS431 Comp Sci Undergrad Thesis II, CYBR442 Foundations in Computer Forens, IA455 Contemp Issues/Info Assurance, IA456 Cyber Defense Practicum, EE463 Communication Systems or Two of: CYBR410 Systems Assurance, CYBR442 Foundations in Computer Forens, IA340 Intro to Information Assurance, DF411 Cyber Investigation, DF425 Advanced Digital Forensics or CSIS400 Comp Sci and Info Sys Capstone or CYBR400 Cyber Capstone or ECON401 Economic Studies	Elective (Non-Specialized Concentration)	Public Administration Management
MNGT441 Public Procure and Contract and MNGT442 Public Procure and Strat Plan	AD568 Gov't Procurement	Public Administration
POLS302 National Security Policy and HIST425 AmericanForeignPolicy 20thCent	NT510 Strategy and Policy	Strategic Studies (M.A.)

HIST425 AmericanForeignPolicy 20thCent One of: POLS302 National Security Policy, INSC313 Global Security & Intelligence	IR520 American Foreign Policy	Defense Policy

Undergraduate General Education

The Undergraduate General Education Goals are designed to provide undergraduate students seeking an Associate or Bachelor's degree, with the intellectual tools to experience, explore and master new topics throughout a period of lifelong learning. To this end, at least forty credit hours in every major must be dedicated to basic literacy in English, mathematics, humanities, social sciences, and science outside the area of major concentration. Required 100-level courses in English, language, and mathematics should be completed by the end of the sophomore year. If a student fails to meet this requirement, he/she must enroll in these courses during the first semester of junior year.

Students may not combine catalogs to meet graduation requirements; the declared catalog must be the same for the requirements of major(s), minor(s), and General Education.

The **Associate of Science** will complete one course from Goals 1 through 6.

Goal 1 Critical Reading, Writing and Research

Students will write with clarity and precision, and read with comprehension. They will exercise the skills of independent inquiry, that is, to find, analyze, synthesize, and critically evaluate information in the respective discipline.

This objective will be reinforced by critical reading, writing, and research throughout the curriculum, and culminate in a capstone course in each major. Wherever graded written work is required, part of the grade must be used to evaluate clarity and precision, and to reinforce the writing mechanics learned.

Outcomes: Students will be able to

- Construct a clear thesis supported by evidence from primary and secondary sources
- Develop knowledge of linguistic structures, including grammar, punctuation, and spelling, through practice in composing and revising
- Demonstrate conventions for structure, paragraphing, tone, and mechanics
- Apply appropriate citation styles

One course: WRIT110 Writing and Inquiry I

Select one course: WRIT111 Writing and Inquiry II, COMM301 Business & ProfessionalWriting, SOCI401 Culture and Anthropology

Goal 2 Mathematics and Quantitative Literacy

Students will achieve an understanding of mathematical and quantitative reasoning and its place in today's world. They should understand how to construct mathematical models as a means of formulating problems and be able to apply appropriate logical, quantitative, and technological methods to solve problems.

Outcomes: Students will be able to

- Organize, analyze, and interpret quantitative information
- Select and apply a mathematical model, including the appropriate quantitative methods and/or technology, to find a solution to a problem motivated by a real-world situation
- Communicate mathematical reasoning clearly and coherently

Select two mathematics courses: MA101 Mathematics: A Liberal Art I, MA102 Mathematics: A Liberal Art II, MA107 Precalculus Mathematics, MA108 Applied Calculus, MA121 Calculus I, MA122 Calculus II, MA161 Math for Elem Sch Teachers II, MA212 Finite Math, MA220 Geometry in Action, MA232 Elementary Statistics, MA240 Intro Number Theory/Cryptology, MA306 Discrete Mathematics, MA318 Cryptology, MA360 Tchg Math Elem-Middle Sch Lev, PH230 Logic

Goal 3 Human Expression in Literature, History, Arts and Humanities

Students will possess a knowledge of, and appreciation for, the variety of human expression found in cultures and civilizations of the United States and the world. This will be achieved by requiring students to take one course in history, one course in literature, and one course in arts and humanities. A course that is listed in multiple categories will fulfill one or the other criteria, not both.

Outcomes: Students will be able to

- Demonstrate a working knowledge of the vocabulary and methods in the discipline of the course
- Locate, assess, and utilize primary and secondary sources
- Demonstrate knowledge and understanding of the variety of human expression
- Demonstrate a working knowledge of the relevant discipline's authors and texts, philosophical issues, historical processes and contingencies, or recognized creative works within their geographical, cultural, and/or historical contexts

Select one Literature course: EN199 Pilot Course in English Lwr Lv, EN210 Modern Short Story, EN220 Children's Literature, EN222 Intro to World Literatures, EN225 Survey of British Literature I, EN226 Survey of British Lit II, EN227 Survey American Literature I, EN228 Survey of American Lit II, EN244 Literature of Leadership, EN245 Science Fiction Literature, EN250 Crime in Literature, EN251 Literature of the Sea, EN253 Approaches to Shakespeare, EN270 Military Literature, EN282 Literary Methods, EN299 Pilot Course in English Lwr Lv, EN322 Topics in World Literatures, EN350 History of English Language, EN370 Topics in British Literature, EN373 Major Author, EN390 Topics in American Literature, EN399 Pilot Course in English Upr Lv, EN425 Directed Study

Select one History course: HI107 History of Civilization I, HI108 History of Civilization II, HI121 American History Survey I, HI122 American History Survey II, HI201 Ancient Greece & Rome, HI202 Middle Ages: Europe 500-1500, HI211 Early East Asian Civilizations, HI214 History of the Middle East, HI220 Age of Revolutions, HI223 Europe's Age of Revolution, HI230 Topics:Civil War Staff Ride, HI235 Military History I, HI236 Military History II, HI260 Topics in History, HI262 History of Baseball, HIST210 History of US Constitution, HIST310 Historical Studies, HIST402 Israeli-Palestinian Conflict, HIST425 AmericanForeignPolicy 20thCent, HIST430 Cold War: Sullivan Seminar, INTD360 Berlin 1933-1945 Tracing Nazi, NR103 Nursing History & Health Prom.

Select one Arts/Humanities course: ASL205 Intermediate ASL, ASL206 Intermediate ASL II, ASL301 Advanced ASL I, ASL302 Advanced ASL II, COMM109 Media Technology & Culture, COMM261 Interpersonal Communication, COMM312 Law Enf. Intercultural Comm., COMM318 Media and Morality, CN205 Intermediate Chinese I, CN206 Intermediate Chinese II, CN301 Advanced Chinese I, EN115 Advanced Academic English II, EN199 Pilot Course in English Lwr Lv, EN210 Modern Short Story, EN220 Children's Literature, EN222 Intro to World Literatures, EN225 Survey of British Literature I, EN226 Survey of British Lit II, EN227 Survey American Literature I, EN228 Survey of American Lit II, EN241 Introduction to Acting, EN244 Literature of Leadership, EN245 Science Fiction Literature, EN251 Literature of the Sea, EN253 Approaches to Shakespeare, EN270 Military Literature, EN282 Literary Methods, EN299 Pilot Course in English Lwr Lv, EN308 The Motion Picture Director, EN310 The Art of the Motion Picture, EN322 Topics in World Literatures, EN350 History of English Language, EN370 Topics in British Literature, EN373 Major Author, EN390 Topics in American Literature, EN399 Pilot Course in English Upr Lv, EN425 Directed Study, FA201 History/Theory Architecture I, FA202 History/Theory Architecture II, FA221 The History of Visual Arts I, FA222 The History of Visual Arts II, FA250 Topics in Art: History, FR205 Intermediate French I, FR206 Intermediate French II, FR311 Advanced French, FR312 Advanced French II, FR350 Topics Course, FR350EN Topics Course in English, GR205 Intermediate German I, GR206 Intermediate German II, GR250 Topics Course, GR322 Survey of German Lit I, GR324 Survey of Ger Lit II 1848-1945, GR350 Topics Course, HI262 History of Baseball, HUMA223 Topics Course, MU271 History of Jazz, PH110 Think! Intro to Philosophy, PH115 Competitive Debate, PH215 Survey of Ethics, PH220 Comparative Religion, PH225 Race, God And Justice, PH230 Logic, PH302 Global History of Philosophy, PH322 Money, Meaning & Morality, PH323 Environmental Ethics, PH324 Criminal Justice Ethics, PH340 Non-Violence & Just War Theory, PH350 Medical Ethics, PH400 Philosophy Reading & Research, PHLS205 Critical Thinking, RELG300 Comparative Religion, SA103 Introduction to Drawing, SA104 Introduction to Visual Design, SA105 Introduction to Painting, SA106 Introduction to Printmaking, SA107 Photography, SA111 Foundations of Art & Arch. I, SA112 Foundations of Art & Arch. II, SA200 Intermediate Studio, SOCI220 Cultural Issues & CJ System, SOCI406 Area Studies, SP205 Intermediate Spanish I, SP206 Intermediate Spanish II, SP250 Topics Course, SP301 Advanced Spanish, SP350 Topics Course, SP350EN Topics Course in English, SP362EN Topics in Spain, WRIT250 Topics in Writing, WRIT254 Sports Writing, WRIT274 Intro to Creative Writing, WRIT276 Environmental Writing, WRIT278 Digital Storytelling, WRIT362 Arguing and Persuading

Goal 4 Natural Sciences

Students will gain a basic level of literacy in current scientific knowledge and theories and develop an appreciation for the natural world, in part through classroom and hands-on experiences by completing two science courses; at least one course must be a 4-credit laboratory science course. This will expose students to the scientific method and provide the critical thinking skills, necessary to make intelligent well-informed decisions. The College of Graduate and Continuing Studies will complete two courses; a laboratory is not required.

Outcomes: Students will be able to

- Demonstrate an understanding of the process involved in applying the scientific method (gathering data, analysis, and interpretation)
- Apply basic scientific knowledge and logic in evaluating the strengths and weaknesses of an argument
- Apply basic scientific knowledge and logic in the decision-making process
- Display a basic understanding of one or more fundamental scientific systems or theories

Select two courses, one must be a Lab (L): BI101 Principles of Biology I(L), BI102 Principles of Biology II(L), BI122 Concepts in Biology (non-lab lecture), BI122L Concepts in Biology Lab(L), BI205 Ecology(L), BI215 Human Anatomy & Physiology I(L), BI216 Human Anatomy & Physiology II(L), CH100 Intro to Forensic Science(L), CH103 General Chemistry I(L), CH104 General Chemistry II(L), CH115 Chemistry of W M D, CH200 Molecular Forensics(L), ES120 Topics in Applied Envir. Sci., GL120 Topics in Applied Geology, GL110 Introduction to Geology(L), GL111 Oceanography(L), GL156 Intro to Earth Evolution(L), NR365 Pathopharmacology for Nurses, PS107 Solar System Astronomy(L), PS108 Stellar and Galactic Astronomy(L), PS201 General Physics I(L), PS202 General Physics II(L), PS211 University Physics I(L), PS212 University Physics II(L), SCIE202 Procedures in Forensics, SCIE301 Environmental Science, SCIE310 Scien Basis of Sustainability

Goal 5 Individual, Society and Social Structures

Students will demonstrate an understanding of the patterns of human behavior and social structures, their related opportunities, problems, and issues. This will be accomplished by completing one course in criminal justice, economics, political science, psychology, or sociology.

Outcomes: Students will be able to

- Identify factors that shape human behavior
- Discuss factors that shape social structures
- Articulate how the factors, determinants, and dynamics found in human behavior and social structures present problems or opportunities

Select one course: COMM312 Law Enf. Intercultural Comm., CJ101 Intro to Criminal Justice, CRMJ303 The Study of Crime, EC106 Structure & Oper World Econ, EC201 Principles of Economics Macro, EC202 Principles of Economics Micro, ECON313 Socio-Economic Studies, ECON401 Economic Studies, INTD301 Structures of Power, PO105 American Politics, PO106 Intro Public Policy & Admin, PO202 Intro to Comparative Politics, PO215 International Relations, POLS302 National Security Policy, POLS306 Comparative Politics, POLS318 International Terrorism, PY110 Introduction to Psychology, PY240 Intro to Social Psychology, SO201 Introduction to Sociology, SO212 Cultural Anthropology, SO214 Racial & Cultural Minorities, SO216 Soc of Health, Wellness & Med, SO218 Intro to Cultural Competence, SO342 Quality of Life, SOCI220 Cultural Issues & CJ System, SSDA315 Insurgency & Conflict, SSDA325 Law of Armed Conflict

Goal 6 Ethics

Students must be able to think critically and make ethical decisions. Critical thinking begins with integration of course work from all general education areas and culminates in the capstone course in each major. Ethical decision-making begins with adherence to the honor code. Students must be able to recognize ethical issues and articulate ethical decisions. This will be achieved taking one course that includes the requirement that students deal with ethical ambiguities and articulate ethical decisions. A course listed in Ethics and Capstone may meet both Goal requirements, otherwise, the course cannot meet two Goals.

Outcomes: Students will be able to

- Identify major ethical, conceptual, and factual issues and stakeholders
- Articulate ethical principles and whether they concur or are in conflict with one another
- Present an argument supporting a position, relying on relevant ethical principle(s), anticipating possible counter-arguments and consequences

Select one course: AP436 Project Delivery/Documentation, COMM318 Media and Morality, CS330 Ethics in Computing & Tech, EG450 Engin Professional Issues, HHPR355 Coaching Leadership in Sports, INTD200 The Partridge Seminar, MG341 Business Law I, NS422 Leadership and Ethics, PH110 Think! Intro to Philosophy, PH215 Survey of Ethics, PH220 Comparative Religion, PH322 Money, Meaning & Morality, PH323 Environmental Ethics, PH324 Criminal Justice Ethics, PH325 Ethics of AI and Technology, PH340 Non-Violence & Just War Theory, PH350 Medical Ethics, PHLS210 Ethics in the Modern World, PHLS324 Criminal Justice Ethics, PY360 History & Systems of Psych, SSDA400 The Capstone Project

Goal 7 Capstone Experience

Students must develop a sound foundation in an area of major concentration by meeting curriculum requirements specified for each program in the catalog. Integration of reading, writing, speaking, and critical thinking skills within the area of expertise culminates in a capstone course in each major. This General Education Requirement is to be taken in residence, at Norwich. A matriculated student who takes this course off-campus must seek permission from the department chair/director.

A course listed in more than one Goal, cannot meet multiple Goals, except for one of the following. A course listed in Capstone and Ethics is permitted to meet both Goal requirements. A course listed in Capstone and Leadership is permitted to meet both Goal requirements.

Outcomes: Students will be able to:

- Demonstrate an understanding of the field by undertaking the capstone project(s) to address one or more questions and/or problems in the discipline.
- Incorporate major scholarship in the field to synthesize a solution to a question(s) and/or problem(s) within the norms of the discipline.
- Write effectively in accordance with the standards of the discipline.
- Successfully defend finds from the capstone project(s) in a presentation

Select one course: AD519 Research Applications, BI401 Senior Seminar, CE480 Senior Design II, CH415 Senior Seminar and Synthesis, CJ410 Senior Seminar, CRIM410 Capstone Seminar, CS420 Computer Science Capstone I and CS421 Computer Science capstone II, CS431 Comp Sci Undergrad Thesis II, CYBR400 Cyber Capstone, ED425 Student Teaching, ED432 Curr & Methods of Instruction, EE491 Electrical System Design I, EE494 Electrical System Design II, EG471 Inter. Eng. Design II, EGCM480 Senior Design Project II, ES440 Research Project Env. Science, FA401 Intro. Research Methods Arch, GL440 Research Project Geology, HHPR406 Readings in Physical Education, HHPR450 Capstone Experience, HI404 Capstone Seminar in History, HI491 Honors in History II, HUMA402 Humanities Capstone, IA456 Cyber Defense Practicum, LEAD402 Leadership Capstone, IN410 Seminar in Intl Studies, INTD400 Capstone, LEAD402 Leadership Capstone, MA411 Senior Seminar, ME467 Mechanical Engr Design I, ME468 Mechanical Engr Design II, MG449 Admin Policy and Strategy, MNGT400 Capstone, NR441 Nursing Capstone, PO410 Capstone Sem in Pol. Science, PY401 Senior Seminar, PO491 Honors in Political Science, PS474 Senior Laboratory II, SP415 Seminar: Topics in Spanish, SSDA400 The Capstone Project

Goal 8 Leadership

Students must develop leadership knowledge skills through one course with an emphasis on leadership. Such a course will ensure that students will acquire, demonstrate, and reflect upon leadership concepts and components. A course listed in Leadership and Capstone may meet both Goal requirements.

Outcomes: Students will be able to

- Acquire and utilize the concepts of leadership
- Demonstrate awareness of various dimensions of leadership
- Reflect upon the experience of trying to achieve a shared goal in collaborative work

Select one course: EN244 Literature of Leadership, LEAD101 NU Principles of Leadership, LEAD111 Foundations of Leadership, LEAD202 Theories Models of Leadership, MG103 Women In Leadership, MNGT315 Leadership, MNGT400 Capstone, MS411 Military Science IV, NR321 Nursing Leadership, NS221 Leadership and Management, NS331 Evolution of Warfare, NS435 Fund of Maneuver Warfare, PY210 Psychology of Leadership, PS474 Senior Laboratory II

General Education

Bachelor of Art Supplement

Bachelor of Arts Supplement

As part of its mission, the College of Liberal Arts encourages students to gain a “sophisticated understanding of the stories, histories, and ideologies that inform our collective and personal identities and perspectives, and of the languages that mediate them,” to “engage and illuminate the complexities of social, cultural, and political interactions, past and present.”

Any single course used to satisfy a General Education requirement cannot also be used to fulfill a BA requirement.

World Languages Requirement

Goal 1. Demonstrate intercultural awareness by discussing an artefact—any object from that culture, from a street sign to a sculpture—of the non-native culture or of one's own culture to a native speaker of that language.

- Outcome 1: Use the language studied to identify, describe, and explain the significance of an artefact of that culture.
- Outcome 2: Use the language studied to identify, describe, and explain to a speaker of that language the significance of an artefact from the student's own culture.

Goal 2. Demonstrate intercultural competence within the foreign culture by problem solving using the world language.

- Outcome 1: Find and offer a solution to a challenge that arises when interacting with the foreign culture.
- Outcome 2: Negotiate cultural differences by adapting to the behavior and style of communication appropriate to the cultural conditions.

Fulfillment of the B.A. World Languages requirement can be achieved in one of the following ways:

1. Completion of ASL 122, CN 122, FR 122, SP 122.
    - A non-native English speaker will be exempt from the World Languages requirement.
2. Completion of an approved transfer equivalent World Languages course.
3. One World Languages course at the Intermediate or Advanced level, consistent with the student's score on the Foreign Language Placement Test (FLPT).
    - A student who places above the 100-level on the FLPT can fulfill the B.A. World Languages requirement by confirming their placement by retaking the FLPT in a proctored environment.

Intercultural Knowledge and Competence

Students will be able to demonstrate an awareness of the following features of other cultures:

1. values and belief systems,
2. changes to values and beliefs over time, and
3. manifestation of values and beliefs in actual practice.

A minimum of (2) three-credit Intercultural Knowledge and Competence courses. The courses meeting this requirement emphasize a comparative approach that involves multiple perspectives regarding one or more cultural differences (ethnicity, gender, race, religion, sexuality, disability studies, etc.) within the United States or across multiple societies.

Courses satisfying this requirement must be taken from outside the major program, meaning that the course must be identified by a subject different from those in the student's designated primary major program.

Two courses from:

CJ421 Comparative CJ Systems, CN 205-499, EN114 Advanced Academic English I, EN115 Advanced Academic English II, EN222 Intro to World Literatures, EN226 Survey of British Lit II, EN227 Survey American Literature I, EN228 Survey of American Lit II, EN350 History of English Language, FR 205-499, GR 205-499, HI107 History of Civilization I, HI108 History of Civilization II, HI201 Ancient Greece & Rome, HI202 Middle Ages: Europe 500-1500, HI211 Early East Asian Civilizations, HI214 History of the Middle East, ML 100-499, PH110 Think! Intro to Philosophy, PH220 Comparative Religion, PH302 Global History of Philosophy, PO348 Asian Politics, PY236 Cross-Cultural Psychology, SP 205-499, SO212 Cultural Anthropology, SO214 Racial & Cultural Minorities, SO218 Intro to Cultural Competence, SO300 Topics in Sociology

Academic Policies, Petition, Record

Academic policies that are not directly tied to the degree, major, minor, and concentration requirements are constantly in review. Students need to make themselves aware of these policies in addition to their degree requirements. Academic policies are published annually on the registrar's website as the current academic year's catalog. Amendments to a degree, major, minor, and concentration requirements are posted to students electronically as well as posted as an addendum to the specific year's catalog on the registrar's website.

Academic Petition

A student who believes there is an extenuating circumstance warranting an academic petition to policy must provide a rationale addressing the extenuating circumstance. Incomplete rationales will not be approved and submitting a petition does not guarantee approval. A program's curricular requirements do not require a formal petition unless the student wishes to appeal the department's decision. Academic Petition forms are located on the Registrar's SharePoint site.

Appeal of Academic Policy Decision
A decision that is denied by the Dean may be appealed to the Committee on Academic Standing and Degrees within ten (10) business days of the outcome. An appeal must include additional arguments to show a reason for the Dean's decision to be appealed. The outcome from the Committee on Academic Standing and Degrees is final.

Academic Record

The Registrar's Office is the record custodian of the official academic record through an academic transcript. The official record includes the term in which a course was taken, course grade, and quality points, in addition to academic standing, and is sorted by academic level. Unofficial transcripts are available to active students via self-service BannerWeb.

Estimated Graduation Date

To comply with federal regulations, each student is assigned an estimated graduation date at the time of matriculation which is documented four years after the first matriculation. The office reserves the right to update, to comply with regulations, once enrollment surpasses the estimated date. A student may also update their estimated date by completing a graduation change of semester/year form available on the Registrar's SharePoint site.

Transcript

- Transcripts are the official student record of all courses enrolled in and the grades earned.
    - Undergraduate transcripts will represent an earned credential/degree, major, minor, concentration, Latin honor, Dean's List, President's List, and Academic Standing for each term enrolled.
    - Graduate transcripts are printed with an earned credential/degree, major, and concentration, and Academic Standing for each term enrolled.
- Apostilled documents include a letter of authenticity, are notarized, and are considered official documents for international students. This is prepared upon request at the time of order.

Academic Standing

Academic Standing is evaluated at the end of each academic semester for those students enrolled in a degree or certificate program, following the final grade due date listed on the Academic Calendar. A student placed on Academic Warning, Probation, or Suspension will receive an electronic letter via their official Norwich email and at times the personal email on record.

The Satisfactory Academic Standing policy is different from the Satisfactory Academic Progress (SAP) policy used by the Financial Aid office to determine eligibility for financial aid. Refer to the SAP policy for further information.

Definitions

Satisfactory Academic Standing is when a student is meeting course grade or grade point average requirements. A student with a Satisfactory Academic Standing is eligible to enroll in classes and participate in co-curricular and extracurricular activities without restrictions.

Academic Warning is the least severe level in the Academic Warning, Probation, and Suspension process. A student placed on Academic Warning is in Satisfactory Academic Standing. Academic Warning serves as an opportunity to address challenges with the goal of preventing students from being placed on Academic Probation. Academic Warning does not appear on students' official academic record.

Academic Probation indicates a student is experiencing serious academic difficulty that may ultimately lead to Academic Suspension. Academic Probation appears on the student's official academic record. A student on Academic Probation is no longer in Satisfactory Academic Standing and is at high risk of not completing a degree.

Academic Suspension indicates the student experiences persistent and severe academic challenges. Academic Suspension appears on the student's academic record. A student on Academic Suspension is no longer in Satisfactory Academic Standing, and is not an active student, providing them time to reassess their academic and career goals and/or resolve other causes for continued academic failure. (See also the Readmission policy)

Cumulative Grade Point Average (GPA) is determined by calculating credit hours of all coursework for which a grade has been recorded (see also Grades).

Plan for Academic Improvement is a document prepared by the student to identify areas of concern inhibiting academic success and includes strategies to help overcome the challenges identified.

Academic Probation Plan is a document prepared by the student to identify areas of concern inhibiting academic success with strategies to help overcome the challenges identified.

Active Program is a program of study that is currently offered in the academic catalog.

Reactivation is for a student who is separated from the university whether in satisfactory, warning, or probation for at least one semester., including due to a military withdrawal or leave. The student will return to the same academic status (i.e. class, level, academic standing) they had during their last term of enrollment.

Readmission is when a student was forced to separate from the University because of academic suspension or conduct/discipline. The student will return on Academic Probation after being readmitted if they were academically suspended.

Undergraduate Students

Satisfactory Academic Standing

To remain in satisfactory academic standing, a student must maintain a minimum cumulative GPA of 2.00 or higher.

Academic Warning, Probation, and Suspension Procedures

A student whose semester GPA or cumulative GPA drops below 2.00 is subject to Academic Warning, Academic Probation, and/or Academic Suspension.

Academic Warning

A student will be placed on Academic Warning when one of the following criteria is met:

FIRST TERM AT NORWICH	RETURNING STUDENT WHO HAD BEEN IN GOOD STANDING
Earning a semester GPA between 1.00 and 1.99	Earning a cumulative GPA below 2.00
	Earning a cumulative GPA of 2.00 or above but have earned a semester GPA below 1.00

In collaboration with support staff a student on Academic Warning should make use of the academic resources available to them and create an academic Improvement plan at the beginning of the semester to outline the steps they will take to return to Satisfactory Academic Standing.

At the end of the Academic Warning semester, students will either:

A STUDENT WHO WAS ON WARNING AFTER THE FIRST TERM	ALL OTHER STUDENTS
Be removed from Academic Warning status by raising their cumulative GPA to 2.00 or above	Be removed from Academic Warning status by raising their cumulative GPA to 2.00 or above
Continue on Academic Warning for one more semester by earning a semester GPA of 2.00 or above but failing to raise the cumulative GPA above 2.00	Continue on Academic Warning by earning semester GPA of below 2.00 but maintaining a cumulative GPA of 2.00 or above
Be placed on Academic Probation by earning a cumulative GPA below 2.00 and a semester GPA below 2.00	Be placed on Academic Probation by earning a cumulative GPA below 2.00 and a semester GPA below 2.00
Be placed on Academic Probation if, after two semesters on Warning, the cumulative GPA is below 2.00 regardless of the semester GPA	Be placed on Academic Probation if, after two semesters on Warning, the cumulative GPA is below 2.00 regardless of the semester GPA

Academic Probation

A student is placed on Academic Probation when one of the following criteria is met:

A STUDENT IN THEIR FIRST TERM AT NORWICH
After completion of one semester at Norwich, they have a semester GPA of 0.99 or below
ALL STUDENTS
After completion of one semester on Academic Warning, they earn both a cumulative GPA and a semester GPA below 2.00
After completion of the second semester on Academic Warning, their cumulative GPA is below 2.00 regardless of the semester GPA

Being put on Academic Probation places restrictions and conditions on a student's enrollment. A student placed on Academic Probation is allowed to continue their enrollment at the university for the subsequent term under the following conditions:

Conditions while on Academic Probation

A student will:

- Develops an Academic Probation Plan with the Center for Academic Success and Achievement or the program management team by the end of the second week of classes of the semester/term.
    - The plan will determine the number of credits the student should take to promote student success.
    - The plan will prioritize repeating failed courses if practical.
- Not participate in extracurricular activities, such as varsity or club athletics or special interest clubs.
    - The Academic Probation plan will determine the student's ability to participate in limited community service learning or other academic-related activities that promote student success.
- Will have a rank in the Corps of Cadets or have additional Corps responsibilities.

The student can petition to participate in extracurricular activities while on Academic Probation by completing an Academic Petition to Participate while on Academic Probation to the Committee on Academic Standing and Degrees (CASD).

At the end of the semester during which a student is on Academic Probation, they will:

- Be removed from Academic Probation and returned to Satisfactory Standing by earning a cumulative GPA of 2.00 or above; or
- Continue on Academic Probation by earning a semester GPA of at least 2.00 but maintaining a cumulative GPA of less than 2.00; or
- Be Academically Suspended by failing to earn a semester GPA of 2.00 or above and maintaining a cumulative GPA of less than 2.00.

Academic Suspension

A student will be placed on Academic Suspension:

- at the conclusion of the Academic Probation semester the semester and cumulative GPA are below a 2.0.

Graduate Students

Satisfactory Academic Standing

To maintain Satisfactory Academic Standing, a Graduate student must maintain a cumulative GPA of 3.0.

Academic Probation, and Suspension

Academic Probation

A student is placed on Academic Probation when:

- The cumulative GPA is below a 3.0.

Academic Suspension

A student will be suspended when:

- After one semester on Academic Probation and fail to earn a Cumulative GPA of 3.0 or higher.

Appeal of Academic Suspension for Immediate Readmission

Under mitigating circumstances, a student may appeal for immediate readmission. A student seeking to appeal an Academic Suspension must submit an appeal no later than the Wednesday before the first day of classes to the CASD Committee (form available on the Registrar's website) including any documentation in support of mitigating circumstances. For instructions, follow the Readmission, Reactivation section of the catalog. While the appeal is under review, a student may not enroll in courses, attend a class, or participate in extra- or co-curricular activities. In the event of a successful appeal, a student will be placed on Academic Probation and must follow the Academic Probation procedures.

Grade Change after Academic Standing Posted

A grade change entered for a course in the previous term will affect academic standing for the previous term; but, no student will be academically suspended within the current semester due to a grade change.

Progression: Academic Standing

Readmission, Reactivation

Readmission and Reactivation

After being approved to return to the University following reactivation or readmission, the student may pursue the same degree program as long as the student was not dismissed or removed from their degree program and the program has not been discontinued and meets the Catalog Statute policy. An additional assessment may be completed for programs that lead to eligibility for licensure. Refer to the reactivation/readmission sections for additional information.

Reactivation
Whenever possible, once all reviews have determined eligibility, a reactivation request should be processed by the Registrar's Office within 48-hours. If there is a hold on the application from the Bursar's Office the application will be held for 30-days. If at the end of that timeframe the Bursar's hold is not resolved, further processing of the reactivation will cease; the student must submit a new reactivation request.

Reactivation requests are accepted up to fifteen business days prior to the first day of classes and are routed to several offices for review. If the student is not eligible to return prior to the last day to register for classes, the student cannot enroll in classes that term.

Readmission
A Readmission application is required when a student meets the following criteria. They have

1. Served at least one semester while on Academic Suspension.
2. Removed from the University for a non-academic reason.

To apply for readmission from suspension a student must complete the form, available on the Registrar's website. The Committee on Academic Standing and Degrees (CASD) reviews all requests. The CASD decision is final per the Academic Policy Petition policy. The student must submit a statement in which the student outlines how they will overcome their academic or personal challenges of the past. A suspended undergraduate student may wish to take coursework at another institution to demonstrate they can succeed academically. As evidence of this success, they may choose to upload unofficial transcripts as part of the application. A letter of support from an advisor, equivalent, or current employer may also be included.

Readmission Following Disciplinary Action
A student removed for disciplinary reasons:

- The student's disciplinary record will be reviewed by the office enforcing the infraction and make a recommendation to move the readmission application forward for processing.

Readmission Following Disciplinary Action Corps of Cadets Student
A Corps of Cadets student removed for disciplinary reasons:

- The Commandant's Office reviews the student's application, supporting documentation, and the disciplinary record and decides on readmission to the Corps.
- If readmission to the Corps is approved, the readmission application will move forward for processing.
- If readmission to the Corps is denied, the Registrar's Office will forward the application to the Dean of Students for readmission as a civilian student.

Readmission Following Disciplinary Dismissal or Expulsion
A student dismissed from the University for disciplinary reasons is barred from returning. A Readmission Application will be denied without further review.

Readmission/Reactivation Process
A student applying to re-enroll will be asked under which catalog year they wish to return. (See also Degree Requirements) If the student does not indicate a catalog year, the catalog year under which they were previously enrolled will be used as long as it is within the statute of limitations. Otherwise, the catalog year during which the student is readmitted will be used. A program that is or has been closed cannot be declared unless approved by the department. A program that has undergone curriculum changes may also not be available unless approved by the department.

- For majors where admission to the program is required, the school director, department chair, or program director will review the readmission/reactivation request.

Student Actions upon Readmission/Reactivation Approval
A student approved to return must follow all instructions in the readmission/reactivation approval notice:

- Contact an academic advisor, or equivalent, to discuss registration.
- Register before the end of the add period.
- When applicable, contact housing to secure housing.

Appealing a Readmission Denial

A student whose application to return is denied will follow the Right of Petition and Appeal or the Grievance Procedures.

Class Level

A student's Class Level is determined by earned credits. Classification is based on the chart below.

Undergraduate Class Levels

LEVEL	EARNED CREDIT	EARNED CREDIT
Freshman	0 - 12: F1	13 - 26: F2
Sophomore	27 - 41: S1	42 - 56: S2
Junior	57 - 72: J1	73 - 88: J2
Senior	89 - 103: R1	104+: R2

Graduate Class Levels

LEVEL	EARNED CREDIT
G1	0 - 11
G2	12 - 23
G3	24 - 25
G4	26+

Americans with Disabilities Act (ADA)

Norwich University is committed to ensuring equal access to its facilities, programs, services and activities for qualified individuals with disabilities. In keeping with this commitment, Norwich University supports the standards set forth in Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act Amendments Act (ADAAA) of 2008, and similar state laws which are designed to eliminate discrimination against qualified individuals with disabilities. Disabilities may include physical, learning, or mental impairments which substantially limit one or more of a person's major life activities. Norwich is committed to making reasonable accommodations for qualifying students, faculty, and employees, or visitors with disabilities as required by applicable laws as well as to making the campus, its facilities, and online resources accessible as required by applicable laws.

Norwich will provide accommodations for qualified individuals so long as they do not:

1) Compromise a technical standard or essential function of the program or job
2) Fundamentally alter a program or service
3) Create an undue burden (action requiring significant difficulty or expense)
4) Legitimately compromise the safety of the individual or others at NU

Ensuring an accessible and inclusive educational and work environment is the responsibility of every member of the university community.

The Director of Civil Rights Compliance is the University's ADA/504 Coordinator and shall: receive and respond to complaints of discrimination or harassment on the basis of disability; coordinate responses to issues regarding campus accessibility, including technologies and systems, in collaboration with other offices; oversee university efforts to eliminate disability bias in employment issues such as hiring processes, job performance and evaluation, benefits, vacation, and leave; and monitor Norwich University's overall legal compliance in regards to persons with disabilities. Relevant policies and procedures are established in Norwich's Non-Discrimination Policy and the Student Rules and Regulations.

The Vice President of Facilities and Operations is responsible for complying with all code issues for existing renovations, as well as new buildings, and for promoting compliance with campus physical and architectural access. The Vice President of Facilities and Operations is responsible for approval of this policy and should be contacted regarding any modification, renovation, and new construction of the University's buildings. University event planners should work with Facilities Operations to ensure access to Norwich events, public programs, and places of public accommodation for students, faculty, staff, and guests.

The Center for Academic Success and Achievement's (CASA) Coordinator of Student Accessibility Resources is responsible for organizing the response to requests for accommodation and provision of academic services that support the needs of students with disabilities enrolled in Norwich University residential/campus-based programs.

The College of Graduate and Continuing Studies (CGCS) ADA Coordinator is responsible for organizing the response to requests for accommodation and provision of academic services that support the needs of students with disabilities enrolled in Norwich University online programs.

Students wishing to request accommodations should contact the Coordinator for their campus.

Employees wishing to request workplace accommodations should contact Human Resources directly.

Hiring, Admission & Transition:
Norwich University will not discriminate against any applicant for employment or admission as a student, who is otherwise qualified, solely based on disability. No inquiry will be made regarding any possible disabling condition until after the hiring or admission decision has been made and the applicant informed of acceptance or rejection.

Physical, Emotional, and Psychological Standards for Corps of Cadets and Athletics:
Because of the physical training component of the Corps of Cadets program, a physical examination and completion of a medical history form is required for all students admitted to that program. A physical examination is also required of any student participating in intercollegiate sports. Students must meet technical standards of physical, emotional, and psychological ability to participate in these programs. In addition, all students admitted to Norwich University will receive a standard form with information on how to request information about accessibility support services for students with diagnosed disabilities which may have an impact on functioning in the college setting.

Note: Disability disclosure to the University after admission is purely voluntary; all Corps forms must be returned to the University, regardless.

Confidentiality:
The material provided by the student and by professionals who have been involved in the student's diagnosis or treatment will be treated as confidential information. Access to documentation will be granted only to those involved in the process of determining eligibility, and only to the extent that it contributes to developing an accommodation plan for the student. Information will be shared with others only with the written permission of the student except as required by law.

Complaints regarding Disability-related Harassment or Discrimination

In addition to the appeals process regarding eligibility and/or accommodations decisions, students who feel that they have been harassed or discriminated against based on their disability, in violation of Section 504 of the Rehabilitation Act of 1973, the ADAAA, or other applicable law, are encouraged to file a complaint under Norwich's Non-discrimination Policy. Complaints should be directed to the Office of Inclusion, Diversity, Equity, Access, and Support (IDEAS) or Title IX Office and will be handled in accordance with procedures set forth in the Non-discrimination Policy.

Accessibility of Campus Events and Programs

Norwich will make its campus programs and events accessible to individuals with disabilities. Any individual, including visitors to campus, who requires an accommodation should contact the program planner of the events scheduling office at least ten business days in advance of the event. Students may also contact their Coordinator to address accessibility of campus events and programs. Norwich may not be able to guarantee reasonable accommodations of campus events and programs on less than 10 business days' advance notice.

Employees

Faculty, staff, and other Norwich employees who have ADA related concerns are assisted by Human Resources. For more information regarding the process by which employees can seek temporary medical leave see Leave, Disability, and Workers' Compensation on the Human Resources' Sharepoint site.

Procedure for Students to Request Accessibility Resources and Accommodations

Requests for Accommodation:
Norwich University students who wish to request accommodations or accessibility resources are required to self-identify and work with their Coordinator to determine their eligibility for services; provide documentation if necessary; and establish appropriate accommodations that ensure equitable access to the University's programs, activities, and resources.

Incoming students can self-identify through the Admissions form established for this purpose. All students, incoming or continuing, can request accommodations or accessibility resources at any point during their Norwich career by contacting their Coordinator. Accommodations are not retroactive and may take some time to establish. All information related to ADAAA matters is confidential, and no communication about such information will be shared with others besides the coordinator without the student's express, written permission. This policy refers to both the residential and online programs for all our colleges. If you have had a request for accommodations previously with Norwich University, please let your coordinator know.

Eligibility Determination Process

The following is the process for students to establish eligibility for ADA resources including accommodations.

1. Students should contact their Coordinator to inform them of their interest in requesting accommodations.
2. Students will meet with their coordinator to provide a self-report or narrative on how their disability impacts them and to discuss potential accommodations. In some cases, a student's disability may be obvious or otherwise not require third party documentation such that the Coordinator can use their professional judgement and the narrative to determine eligibility and appropriate accommodations. In other cases, the student who seeks accommodations on the basis of disability is responsible for submitting necessary, third-party documentation to supplement their narrative. [See "Recommended Documentation Guidelines" below.]
3. The Coordinator will determine student eligibility on an individualized basis. Eligibility is based on the otherwise qualified student having a disability that substantially limits one or more major life activities as defined by the ADAAA. Norwich will take into consideration a student's self-report/narrative, the observation of a trained disability professional, and/or documentation provided by a qualified professional to determine a student's eligibility. If there is not sufficient information to determine eligibility, the student will be informed of what additional information is needed. **It is important to note that a specific diagnosis does not establish in itself a need or an entitlement to accommodations under Section 504 of the Rehabilitation Act or the Americans with Disabilities Act Amendments Act (ADAAA).**

Recommended Documentation Guidelines:

Note: Students who do not have documentation can meet with their Coordinator to present their self-report/narrative and discuss alternate options to the following documentation guidelines if appropriate. If students are unsure if their documentation is recent enough, they can send us what they have and we can advise them accordingly.

Complete and detailed documentation can help the Coordinator determine and provide the most effective resources and/or accommodations.

1. Documentation should be:
    1. Completed and signed by a licensed or certified professional in a related field.
    2. Up to date/Current: This varies based on each condition but generally we request the following:
        1. Learning and developmental disabilities within 5 years or have adult measures
        2. ADHD within 3 years
        3. Psychological, systemic/chronic, within 6 months
        4. Physical/Sensory: Varies
        5. TBI varies based on the date/stage of injury
2. 2. Documentation should include:
    1. Date student last saw the provider
    2. Current DSM or ICD code and diagnosis
    3. Explanation of diagnostic criteria and/or evaluation measures used with test scores
    4. Symptoms: Ways in which the condition manifests itself and the degree of its impact(s) on the student
    5. Functional limitations: Explanation of current/future functional impacts of the condition
    6. Treatment: Services, accommodations, treatment, medication, and/or assistive devices currently in use or prescribed for the condition.
    7. Recommendations: suggestions of accommodations that may support the student to overcome barriers in the academic and/or residential environment (if on-campus).

Next Steps after Eligibility Determination

If the student is determined eligible, a 504 Plan will be created with the student's approval that includes the approved accommodations. If the student decides they want their faculty or other university staff to be informed of the approved accommodations, they will complete a Release Form granting the Coordinator permission to send the 504 Plan to the listed individuals. **Please note that students who have an approved plan need to release that plan prior to requesting approved accommodations from their faculty. Accommodations are not retroactive.**

Once the 504 Plan has been sent to the faculty or university staff, students are responsible for following up with each faculty member to confirm that they received and read the 504 Plan; to inform the faculty about which accommodation(s) in the plan they want to utilize, and to set up a process for implementing them. The Coordinators are available to provide support to the student and faculty in developing the implementation plan.

Please note that the 504 Plan is a living document and can be revised. Decisions about approving specific accommodations or revisions to the 504 Plan can be made only by the Coordinator in consultation with the student. Further diagnostic information may be required. The Coordinator will then revise the list of approved accommodations included in the student's current 504 plan and the revised plan can be released as described above.

Student's Rights and Responsibilities

Rights

- Equitable access to courses, programs, services, jobs, activities, and facilities available through the college or university

- Reasonable and appropriate accommodations, academic adjustments, and/or auxiliary aids determined by the institution on a case-by-case and/or course-by-course basis.
- Ability to request course substitutions. Degree requirements will not be waived for students with disabilities, but course substitutions may be petitioned for in extreme circumstances where accommodations alone have been demonstrated as insufficient to serve the needs of an otherwise qualified student with a disability. Course substitutions are not appropriate for courses considered an essential element of a program or degree.
- Appropriate confidentiality of all information pertaining to the disability with the right to control to whom such information will be released, except as required by law or when permission is granted by the student.
- Ability to appeal eligibility determination decisions or approved accommodations as described below in the "Appeal" section of this policy.

Responsibilities

- Identify themselves to the appropriate Coordinator to request accommodations and initiate the processes described above.
- Setting up an appointment with the respective Coordinator to discuss the impact of their disability, its functional limitations, and the reasonable accommodations they want to request.
- Submitting appropriate documentation if required.
- Completing the 504 Plan release process with the appropriate Coordinator and listing which faculty members or Norwich staff members they want to be informed of their accommodations.
- Communicating with faculty after the release of the 504 Plan to establish a course-specific plan to implement approved accommodations. **Please note that some approved accommodations may not be appropriate in a specific course if they would constitute a fundamental alteration of an essential course element.** The student's Coordinator can work with them and their faculty to address any such situation.

Appeal

A student dissatisfied with an eligibility determination, or the accommodations approved in the 504 plan will have the right to appeal. The appeal process will be as follows:

1. A written statement will be sent by the student to the University's ADA/504 Coordinator: This statement should include all relevant information and should request clear remedial action.
2. Based on this statement, the ADA/504 Coordinator will either:
    1. Reactivate the individual planning process and work with the student and their respective Coordinator to remediate the situation, or
    2. Reject the appeal and determine that the plan as developed is appropriate.
3. If the student's appeal is rejected by the ADA/504 Coordinator, the student can appeal this decision to the Committee on Academic Standing and Degrees (CASD). The CASD will review the 504 Plan and the student's appeal on the issue, and either change the individual plan or sustain the original decision of the ADA/504 Coordinator.
4. If the CASD sustains the original decision, the student can appeal to the University Provost or a designee. This is the final level of appeal, and this decision will be final.
5. **Please note, however, that students also have the right to submit a claim of discrimination based on disability to the United States Department of Education, Office of Civil Rights.**

Resources

Center for Academic Success and Achievement, Kreitzberg Library, 4th Floor, extension 2130, (802) 485-2130, or casa@norwich.edu.

CGCS ADA Coordinator, (802) 485-3306.

Office of Civil Rights and Title IX Compliance, Title IX & ADA/504 Coordinator, Location: Kreitzberg Library (4th floor) space 407, 802-485-2144, titleix@norwich.edu, Civil Rights and Title IX Office | Norwich University.

Office of Human Resources, Jackman Hall, 3rd Floor, extension 2075, (802) 485-2075, or nuhr@norwich.edu.

Facilities Operations, (802) 485-2148 or facops@norwich.edu.

Participation

Academic Participation and Attendance

The faculty member of record will give students a syllabus that clearly describes the attendance policy for that course.

Participation

To meet federal student aid guidelines, a student who is enrolled in a course and is reported by the faculty member as never having attended and/or participated during week one (Monday-Saturday) will be administratively dropped from any or all courses for no participation typically by the second to third week of classes.

Face-to-face modality
Participation may be associated with such actions as, but not limited to, in-person class attendance, submission of a graded assignment or a test (in person or via Learning Management System, LMS), and email discussion of an academic topic with the instructor.

Online modality
Academic participation includes any point-earning activity in the class, including but not limited to posting to a discussion board, submitting an assignment, a student-initiated contact with a faculty member to ask a question about the academic subject studied in the course, or submitting an exam or quiz.

Activities that do not constitute academic participation include logging in to the classroom, emailing the professor about grades, submitting a video introduction, counseling related to academic progress in the course or program, and communicating via email with a student support advisor, financial planning, bursar, or other university staff.

Excused Course Absences
The following are considered excused absences:

- illness or injury documented by a healthcare professional,
- emergency leave, as approved by the Dean of Students,
- single-day course field trips,
- military obligations for students contracted for commissions in the US military and other military obligations beyond the student's control, or
- varsity athletic contests, and regimental band appearances.

For these types of excused absences, a student is expected to provide notice of the absence to each instructor in advance. The course instructor may deny granting an excused absence for a student currently earning a D+ or below if they believe that the absence will be a serious detriment to the student except in the case of military or emergency leave. The instructor must promptly notify the student and the coach, group, faculty member, or appropriate official responsible for the event causing the absence, of their decision.

The instructor and student will schedule a make-up exam or a make-up lab, or agree on a plan to make up the missed work when the student is absent for an excused reason. The student is responsible for all missed coursework.

Cancellation of Class Meeting
A class is canceled if a faculty member is not present ten minutes after the scheduled beginning of a class. The class will select one class member to report the cancellation to the Department Chair/School Director of the appropriate academic department/school or the Dean of the College.

Late Arrival

A student who cannot begin classes or arrive on campus to occupy their campus housing by the first day of the semester or term must complete a Late Arrival Request. A late arrival or start will be considered for approval when there is a mitigating circumstance; however, the request should be submitted before the start of the semester/term, whenever possible. When a late arrival or start is approved, the student is responsible for completing all course requirements, including missed assignments. For assistance with the Late Arrival Request form, a residential program student should contact the Dean of Students and an online program student should contact their assigned Student Services Advisor.

A student arriving late due to active duty in the military (state or federal), National Guard, or reserve forces of the United States, or a student who is the spouse or dependent child of a military member, is eligible to request a Late Arrival or Start. The student must provide their military orders for a military activation or deployment as classification level permits.

When the student is approved to arrive late, the student's course instructor(s) and the primary advisor will be notified. In addition, the appropriate administrative department(s) will be notified, such as the student services impacted by the late arrival. While faculty are expected to accommodate an approved late arrival, some courses may not be suitable for late arrival. A condition of late arrival may require the student to drop such course(s).

Award of Credit

Norwich University follows the U.S. Department of Education's definition of an instructional credit hour. The United States Department of Education requires that each institution develop a written credit hour policy that conforms to the definition of a credit hour under 34 CFR 600.2.

The Department of Education defines a credit hour as an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that

1. Reasonably approximates not less than
    - One hour of classroom or direct faculty instruction and a minimum of two hours out of class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one-quarter hour of credit, or the equivalent amount of work over a different amount of time, or;
    - At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work, and other academic work leading to the award of credit hours.
2. Permits an institution, in determining the amount of work associated with a credit hour, to take into account a variety of delivery methods, measurements of student work, academic calendars, disciplines, and degree levels.

Our baseline academic calendar year is divided into two semesters, each approximately 15 weeks long, including finals week. The lecture credit is 50 minutes while other academic activities are no less than 50 minutes. In alignment with the Federal Student Aid Handbook, an academic calendar that is offered outside of our defined semester calendar the instructional activity is calculated by following the semester definition.

Norwich ensures that all courses offered as credit, whether in-person, off-campus, distance education, evenings or weekends are consistent with the educational objectives of the institution. Academic programs offered through Distance Learning receive sufficient support for instructional and student services. Online students have ready access to support for using appropriate learning resources.

Students enrolled in Distance Learning courses, and/or Hybrid courses have sufficient opportunities to interact with faculty regarding course content and related academic matters. Norwich has procedures that establish students who register for a Distance Learning or Hybrid course are the same students who participate in and complete the course requirements and receive academic credit.

An online, or Distance Learning course is one that is conducted entirely and exclusively via the course management system accessible from the Internet. The online format is the primary method to deliver the course materials. Communication and interaction occur online between faculty and students. All assessment of student work is conducted online.

A hybrid course is a course that combines 30% to 70% traditional, face-to-face weekly class time with online, out-of-class course work. Hybrid instructors determine what instructional activities are offered online or face-to-face depending on the learning goals, course objectives, content, and available resources.

CREDIT LOAD	UNDERGRADUATE	GRADUATE
Full-time Online Programs	12	6
Half-time Online Programs	6	3
Full-time Residential Programs	12	8
Half-time Residential Programs	6	4

Catalog Statute

A credential candidate may opt to fulfill the requirements of any university catalog that came after, not before, the catalog at the time of matriculation into a specific program. (See also readmission policy, Readmission, Reactivation and degree statute of limitations, Awarding a Credential.)

Catalog Effective Dates

The university catalog is an annual publication effective from the fall semester through the subsequent summer semester. A student is notified of amendments to a degree, major, minor, and concentration requirements, and they are posted as an addendum to the specific year's catalog on the registrar's website. A change to a program or policy will be posted as an addendum to the catalog.

Program of Study

A program of study, also known as a degree program or academic program, includes two or more course requirements leading to a credential. Programs of study are offered as residential or online. Programs of study offered through the College of Graduate and Continuing Studies (CGCS) cannot be combined with non-CGCS programs.

English Language Accommodations

Accommodations are available to support English language proficiency development. All residential undergraduate non-native English speakers are normally eligible, and accommodations will be allowed for undergraduate students taking residential or CGCS classes. Eligibility will customarily expire at the end of the first semester of accommodation but may be continued on a semester-to-semester basis. Eligibility, accommodations, and English placement for residential undergraduate students are overseen by both the Center for Academic Success and Achievement (CASA) and the International and Multilingual Curriculum Coordinator for the Department of Global Humanities.

Allowable Academic Accommodations

- Reasonable extensions of time on assignments if appropriate tutorial assistance is in process.
- Reasonable extensions of time for examinations, with or without a reader, that is administered by the CASA.
- Reduction of credit penalty for written errors consistent with developing language proficiency including misspellings, word usage, sentence structure, and punctuation, except in coursework where those skills are being assessed directly.
- Alternative assignments to support spoken language and class participation except where those skills are being assessed directly.
- Use of a recording device for course lectures and/or discussions to enhance listening comprehension.

Student Responsibilities
To apply for accommodations, residential undergraduate students must contact the Coordinator for Multilingual Student Resources at the Center for Academic Success and Achievement. Each semester, residential undergraduate students must process an accommodations request form and a release form to authorize the CASA to send the eligibility letter to all necessary course faculty.

Placement of Multilingual Students into Academic English Elective Courses
The Department of Global Humanities offers elective classes to support academic English proficiency. Interested residential undergraduate students may register for them in consultation with their advisers. Some incoming residential undergraduate students are preregistered for an elective Academic English language course. Preregistered residential undergraduate students may drop or withdraw from the Academic English language course.

Incoming residential undergraduate multilingual students are preregistered based on the section scores of academic English proficiency tests. Because participation in university courses requires advanced-level proficiency in a variety of language skills, residential undergraduate students will be preregistered if their TOEFL (or equivalent) section scores fall in the "low," "intermediate," or "fair" ranges. If a student has no English proficiency test scores, placement is based on other records accepted by the Norwich University Department of Admissions.

The levels of the TOEFL section scores can be viewed here: **https://www.ets.org/toefl/ibt/scores/understand/**

Exceptions
Exceptions may occur in special circumstances involving international inter-institutional agreements with partner universities, new pathway programs and/or other international agreements that would warrant exceptions. All such exceptions must be codified in a Memorandum of Understanding (MOU) among participating parties and have appropriate approvals in accordance with the agreement. Any MOU must be executed through the International Center, after consultation with the International and Multilingual Curriculum Coordinator and CASA regarding exceptions set forth in any MOU.

The Family Educational Rights and Privacy Act of 1974 (FERPA) as amended

Sets forth requirements regarding the privacy of student records. Specifically, FERPA governs:

- The disclosure of education records maintained by an educational institution; and
- Access to these records
- Notification by the institution to students of their FERPA rights

Further information can be found on the US Department of Education Family Policy Compliance Office website.

Definitions

Education Records
Records, handwritten or in any media, (including conduct records) that are directly related to a student and maintained by Norwich University, or by a party acting for the institution. Records not protected by FERPA include:

- records of instructional, administrative, and educational personnel which are the sole possession of the maker and are not accessible or revealed to any individual except a temporary substitute.
  records maintained by Norwich University security/law enforcement unit which are the sole possession of the unit.
- records of employment which relate exclusively to individuals in their capacity as employees (records of students employed by Norwich University as a result of their status as students are education records, e.g., work-study).
- records created or maintained by a physician, psychiatrist, or other recognized professional acting in his or her professional capacity (including counseling and health records).
- alumni records that contain information about a student after s/he is no longer in attendance at Norwich University, and which do not relate to the person as a student.

Records NOT protected by FERPA include:

- records of instructional, administrative, and educational personnel which are the sole possession of the maker and are not accessible or revealed to any individual except a temporary substitute
- records maintained by Norwich University security/law enforcement unit which are the sole possession of the unit
- records of employment which relate exclusively to individuals in their capacity as employees (records of students employed by Norwich University as a result of their status as students are education records, e.g. work-study)
- records created, or maintained by a physician, psychiatrist or other recognized professional acting in his or her professional capacity (including counseling and health records)
- alumni records which contain information about a student after s/he is no longer in attendance at Norwich University and which do not relate to the person as a student.

Student
A person, who attends a Norwich University credit or non-credit course, regardless of age.

Enrolled Student
An enrolled student is defined by having a student record and confirmation of participation.

Directory Information

Norwich University considers the following Directory Information and may release this information without the written consent of the student.

Full Name	Major or Program	Most recent educational institution attended
Full or Part-Time Status	Home Town	Participation in Official Recognized Activities & Sports
Norwich Mailbox Number	Anticipated Graduation Date	Email Address, University assigned
Lifestyle (civilian or military)	Athletic Achievements	Athlete Height & Weight
Withdrawal Date	Class Level	Dates/Terms Enrolled
Credential Awarded, Date	Graduation Status	Awards and Honors Including Cadet Promotions
Photographs		

The Solomon Amendment

This law requires universities to release the information listed below regarding enrolled students, 17 or older, to the military for recruitment purposes. A student may restrict this disclosure to the military only by restricting all disclosure of Directory Information.

Name	Date and Place of Birth	Most recent educational institution enrolled in by the student
Degrees Received	Academic Majors	Address
Telephone Listings	Levels of Education	

Student Restriction of Directory & Non-Directory Information

A Student may submit a "FERPA Hold" form to the Registrar's Office to prevent directory and non-directory information from release. When a FERPA Hold is active, no information regarding this student will be released to any person or published in publications (this includes the Commencement program and Dean's list). This form is valid until it is rescinded in writing by the student.

Student Release of Non-Directory Information

A student may authorize the release of non-directory information to anyone they so choose by electronically entering the person's name and relationship to the student via the electronic Enrollment Verification form. The authorization is valid until rescinded in writing by the student. In most cases, the Registrar's Office will release non-directory information.

Disclosure of Non-Directory Information

Upon request, Norwich University may disclose education records, without consent, to officials of another institution that a student seeks or intends to enroll, or where the student is already enrolled so long as the disclosure is for the purposes related to the student's enrollment or transfer.

Norwich University may disclose non-directory information from a student's education record, without the student's written consent, to school officials who have a legitimate educational interest in the records, or to certain other individuals or organizations, as specified below. The release of information to those described below does not constitute authorization to those individuals or organizations to share that information with a third party without the student's written consent. The Registrar shall decide the legitimacy of requests for permissible disclosures of student information.

A school official is:

- A person, organization, or company who is employed by, contracting with, or properly authorized by Norwich University, to perform administrative, supervisory, academic, research, or support functions for the University.
- This definition includes, but is not limited to:
    - law enforcement personnel
    - health staff
    - certain appropriate students
    - field supervisors
    - contractors, such as attorneys, auditors, or collection agents
    - those properly authorized to serve as official board or committee members; or
    - any others (such as volunteers) properly authorized to assist another school official in performing his or her professional responsibilities for Norwich University.
- A school official must abide by all applicable policies and procedures regarding confidentiality of education records.

A school official has a legitimate educational interest if:

- The official needs to review an education record to fulfill his or her professional responsibility. Those professional responsibilities may include, but are not limited to:
- Performing a task that is specified in his/her position description or by a contract agreement
- Performing a task related to a student's education
- Performing a task related to the academic or behavioral conduct of a student
- Conducting research that benefits students and/or the University.

Other permissible recipients of such disclosures are:

- The US Department of Education, the Comptroller General, state or local educational authorities
- Organizations conducting certain studies for, or on behalf of Norwich University Organizations conducting research for educational agencies or institutions for developing, validating or administering predictive tests; administering student aid programs; and improving instruction.
- Accrediting organizations
- Comply with a judicial order or lawfully issued subpoena, including ex parte orders under the US Patriot Act.
- Appropriate parties in a health or safety emergency
- A victim of a crime of violence or nonforcible sex offense when the information is related to the final results of the disciplinary proceeding conducted by Norwich University
- Those who seek sex offender registry information from those required to register as sex offenders under state or federal law
- Officials at other institutions in which the student has already enrolled or seeks to enroll in
- International sponsors
- State and local officials to whom information is specifically required to be reported by a state law as permitted by FERPA.

- Records may be released to parents in a health or safety emergency; where the student has been found in violation of Norwich's code of conduct relating to the use of alcohol or a controlled substance if the student is under the age of 21, or submission of evidence that the parent(s) declare the student as a dependent on their most recent Federal Income Tax form.

Valid Subpoenas

If the Registrar is served with a valid subpoena requesting student information, the Registrar *must* comply with the request. Before doing so, the Registrar shall attempt to notify the student of the subpoena in advance of compliance so the student may seek protective action, unless the disclosure is in compliance with a subpoena issued by an agency that has ordered the contents of the subpoena, or the information furnished in response to the subpoena, not be disclosed.

Deceased Students

Information on deceased students *may* be made available to survivors or third parties via a request to the Registrar. An individual student's rights under FERPA are no longer valid upon death of that student.

Record of Request for Disclosure

Norwich University must maintain a record of each request, with the exceptions listed below, for access to, and disclosure of, personally identifiable information from education records. The record of each request for access and each disclosure must contain the name of the parties who have requested or receive information and the legitimate interest the parties had in requesting or obtaining the information.

A record *does not have to be kept* if the request was made by or disclosure was made to:

- An eligible student
- A school official who has been determined to have a legitimate educational interest
- A party with written consent from the eligible student
- A party seeking directory information only
- A student serving on an official committee or assisting another school official

Thus requests for, or disclosure of education record information without a student's written consent, which Norwich University is *required to record*, would include, but is not limited to:

- Disclosure to the parent (either custodial or noncustodial) of an eligible student
- Disclosure in response to a lawfully issued court order or subpoena
- Disclosure for external research purposes where individual students have been identified
- Disclosure in response to an emergency

These records must be maintained with the education records of the student as long as the records are maintained by Norwich University.

Student Right Under FERPA

FERPA affords students certain rights with respect to their education records. These rights include:

- The right to inspect and review educational records; requests will be complied with no later than 45 days from the date of the student's written request, which is to be directed to the Registrar's Office. Students do not have the right to receive a copy of their record unless failure to do so would prevent them from inspecting and reviewing their record, such as when the student no longer lives within commuting distance. The Registrar may arrange for these students to inspect the requested records at a college or university located closer to the student.
- The right to request the amendment of education records, which the student believes are inaccurate, misleading or ' otherwise in violation of the student's rights of privacy. If the Registrar does not agree with the student's request to amend his/her education records, the student may submit a written request to the Dean of Students Office asking for a formal hearing on his/her request. The Dean shall make the final decision regarding the student's request. If the student disagrees with the decision of the Dean, he/she may submit a written statement which will be placed in his/her official record commenting on the disputed information.
- The right to give or to withhold consent to disclosure of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent;
- The right to file with the US Department of Education a complaint regarding Norwich University's compliance with the requirements of FERPA;
- Records relating to individuals who apply for admission but are not admitted or do not enroll are not protected by FERPA; and
- The right to receive notification of rights granted by FERPA.

Student Notification

1. New and continuing students are notified of their FERPA rights prior to each semester through either, orientation, the electronic Enrollment Verification process, or an annual FERPA announcement.
2. New on-line students are notified of their FERPA rights through Orientation. Continuing on-line students are emailed an annual notice.
3. Students are further notified of FERPA rights on the Registrar's website http://www.norwich.edu/registrar/
4. Everyone can access Norwich's Student Data Privacy (FERPA) policy at http://www.norwich.edu/registrar/

The Office of the Registrar is the primary contact for all student information inquiries. Elements of this policy may be listed within the student handbook, code of conduct, BannerWeb and the University Catalog. To file a FERPA data breach, please submit a form.

Final Course Examination

A final assessment or activity shall be administered in every course. The last week of the fall and spring full semesters is designated as Final Exam Week. The final exam schedule is posted on the Registrar's SharePoint site. A student with a mitigating circumstance or with more than two final examinations on one final exam day may submit a Final Exam Change Request.

Academic Forgiveness

Grade Forgiveness

Grade forgiveness supports a student transitioning from the declared program of study to a different program of study. The following guidelines and requirements must be met:

1. Grade forgiveness is permitted one time at each degree level: associate, bachelor, and master. If later the student transitions into another degree program, grade forgiveness is not permitted.
2. The student must officially change their program of study (change of major) at the same time or before submitting a Grade Forgiveness Petition.
3. A maximum of four (4) courses will be forgiven at the undergraduate level and a maximum of two (2) courses at the graduate level.
   Selected courses may not fulfill requirements for the General Education Goals, Bachelor of Arts Supplement, or a major, concentration, minor, or certificate program.
   - A forgiven course will appear on the academic transcript with the original grade earned but designated as "Z-grade" and may be calculated by graduate/ professional schools or potential employers if they so choose.
   - The credit hours of forgiven courses are not calculated into the quality points for cumulative grade point average computations.
   - A student declaring a new program of study in which previously excluded quality points are now required, the student will complete the revocation of grade forgiveness form and the course(s) the quality points will count in the grade point average.
4. A student who is on academic warning or probation and granted grade forgiveness will remain on academic warning or probation and must follow the Academic Standing policy.
5. Forgiveness is not applicable to students on academic suspension. A student must be readmitted and active before completing the Grade Forgiveness Petition.

Academic Forgiveness

The Academic Forgiveness program provides a second opportunity to any former Norwich University student who has experienced past academic difficulties to have a fresh cumulative grade point average. The policy is designed for undergraduate students who have gained maturity outside higher education and have demonstrated that they are capable of being successful at Norwich University.

Eligibility

1. A student must have been absent from the university for a consecutive period of 24 consecutive months.
2. A student must complete one semester of academic work and maintain a minimum GPA of 2.0.

A student who meets these eligibility requirements will be able to suppress quality points with earned grades below a "C" at Norwich University taken prior to being granted academic forgiveness. While the quality points will not be tabulated, the course may fulfill requirements as stipulated in programs of study requirements, or as electives. Grades of "C" or better are not altered and will be used toward degree requirements as applicable. Graduation requirements shall be those listed in the catalog at the time of re-entry, NOT in the catalog at the time the student originally matriculated. A student will be approved for academic forgiveness only once during their academic career. There is no guarantee, expressed or implied, that the academic forgiveness policy will be recognized by any other college or university.

Considerations:

- The student's record will be inscribed with the notation "Academic Forgiveness Granted (date)."
- The previous academic record will appear on the transcript as "X-grade" and can be calculated by graduate/ professional schools or potential employers if they so choose.
- The granting of Academic Forgiveness does not supersede a suspension or dismissal policy. Any suspension or dismissal that occurred in the past shall remain recorded on the student's permanent record.
- Re-entry into any program is not automatic. The granting of Academic Forgiveness may not supersede the admissions requirements of certain programs, which require a specific minimum grade point average based on all coursework.

A student who is interested in pursuing Academic Forgiveness must complete an online petition form and submit it to the Committee on Academic Standing and Degrees. The deadline to submit a completed petition is after a minimum of 12 credit hours, but not more than 32 credit hours taken since re-enrollment at Norwich. This must include:

- A formal letter asking permission to participate and a statement of the projected benefits if allowed back into the University under provisions of the Academic Forgiveness program.
- A summary of events explaining the academic record during the student's previous attendance at Norwich University. Any supporting documents outlining the unusual circumstances (personal, emotional, medical, financial) should be included.
- Any recommendation letters from employers that support the student's development and successes from the time the student departed from Norwich University.
- A letter from an academic advisor or other faculty member describing positive academic progress and the potential for academic success.

Academic Forgiveness may have an impact on financial aid; a student should contact the Student Financial Planning office to understand their specific situation.

Academic Honors

The following academic honors categories are open to undergraduate students who are a full-time status, tabulated from graded courses at the undergraduate level.

Dean's List Recipients
A semester grade point average of at least 3.40 is awarded the Dean's List honors. Dean's List honors are noted on the official transcript each term earned. Refer to the Incomplete Grade statement for an Academic Honor.

Distinguished Academic Merit
A merit pin is provided to a degree seeking student enrolled in a campus-based program recognized on the President's or Dean's List. Refer to the Incomplete Grade statement for an Academic Honor.

President's List Recipients
A semester grade point average of 4.0 is awarded President's List honors. The President's List honor is noted on the official transcript for each term earned. Refer to the Incomplete Grade statement for an Academic Honor.

University Scholars
A degree seeking student enrolled into a campus-based program earning a cumulative grade point average of no less than 3.60 for the previous academic year is recognized as a University Scholar at the Fall Convocation ceremony. An incomplete grade must be finalized by the time the list is presented to be eligible.

Incomplete Grade or Change of Grade Statement for Academic Honors or Combined course levels
A President and Dean's List eligible recipient is determined at the conclusion of the academic semester. Upon release, there is no additional monitoring. A student with an Incomplete is ineligible to receive an Academic Honor. A student may inquire a notation on the student record with the Office of the Registrar in the event a change of grade elevates the semester grade point average to the established criteria, or if their combined course level enrollment may achieve eligibility.

Latin Honors
At the time of degree conferral, an undergraduate student will be eligible for Latin Honors, using only Norwich University credits when the following is met:

- Summa Cum Laude honors = cumulative GPA of 3.8 to 4.0, or
- Magna Cum Laude honors = cumulative GPA of 3.6 to 3.79, or
- Cum Laude honors = cumulative GPA of 3.4 to 3.59.

Latin Honors for Commencement exercises are determined using the grades earned through the second to the last semester prior to the graduation date. The diploma and transcript will include the Latin Honor calculated at the time of degree completion.

Grades

Minimum Grade Standards

Minimum grade standards will be stated for each program. Unless otherwise stated; a grade of D- or higher will fulfill the requirement. Refer to each degree requirement and program requirements within the academic catalog.

Attempted Credits

Any course for which a student is registered beyond the last day to drop a course without a record is considered attempted and a final grade will be assigned (see also Registration, Quality Points and Satisfactory Academic Progress for Financial Aid).

Undergraduate Grading Scale

LETTER GRADE	NUMERIC GRADE
A	93-100
A-	90-92.99
B+	87-89.99
B	83-86.99
B-	80-82.99
C+	77-79.99
C	73-76.99
C-	70-72.99
D+	67-69.99
D	63-66.99
D-	60-62.99
F	0-59.99

Eligible grades for a Norwich course are the following: A, A-, B+, B, B-, C+, C, C-, D+, D, D-, F, FN, Pass (P), Satisfactory (S), Satisfactory Progress (SP), Audit (AU), Unsatisfactory (U) at all course levels. The syllabus will state the eligible grade assignments in addition to course grade requirements. Each course within a graduate program will determine the course's grading scale.

Quality Points

Grade values are as follows: grade of A= 4.0; A-= 3.7; B+= 3.3; B= 3.0; B-= 2.7; C+= 2.3; C= 2.0; C-= 1.7; D+= 1.3; D= 1.0; D-=0.7, F= 0.0, FN= 0.0, WF= 0.0. Grades of AU, E, I, P, NG, T, U, S, SP, and W do not carry quality points and therefore are not calculated into the grade point average.

A grade of FN and WF both represent a failing grade. FN is typically awarded when a student did not submit enough assignments to provide a full evaluation of work to earn a higher grade. WF is assigned when the student requests to withdraw after the last day to withdraw. Financial Aid is required to review grades of F, FN, WF, and W to ensure the student maintained academic participation throughout the duration of the course. (See also Course Withdraw and Financial Aid policies)

The grades of S and U have no equivalent grade values and are available only in pre-approved courses. The course syllabus will establish the requirements to earn a satisfactory or unsatisfactory grade for the course. A student cannot request this grade.

The grade of SP signifies satisfactory progress and can be used in a course that meets over multiple semesters or terms such as a thesis course. The grade is a placeholder until the course is complete.

A grade of NG is assigned by the Registrar's Office on an interim basis when a grade is not submitted by the deadline.

Point Average

At each level of enrollment, the cumulative grade point average is derived by dividing the total number of graded hours for which a student has officially registered by the total number of quality points earned. The average is never rounded although it is truncated to the tenths or hundredths. The semester grade point average is calculated in the same way.

Repeat Course Grade

A student is permitted to repeat a course in an attempt to improve their GPA before graduation; however, the credit will be used towards degree requirements once. A course that is repeatable for credit will be noted in the course description. The cumulative point average will reflect only the highest course grade, although all grades will remain on the transcript. The course must be repeated for the same number of credit hours, and title when topics, at Norwich University. A course repeated more than once will be treated as a separate course and will not replace a previous grade. Repeated courses for which credit was earned will not accumulate additional hours towards graduation unless the course is designed to be a repeatable course. In order for a student who obtains permission to repeat a course as a transient (non-Norwich course) student to earn credit, the course must meet the Transfer Credit policy. The transfer grade will not be calculated into the student's grade point average although the replaced credits will apply toward graduation credits. A Transient Course Permission form is required (see also Transfer Credit Policy).

TRANSCRIPT NOTATION	MEANING	
I	Grade is included in the GPA	
E	Grade is excluded in the GPA	
A	The course was repeated Cannot carry credit towards degree requirements Grade is included in the GPA	

Audit

A student who wishes to attend a class but does not want to receive a grade for course credit may register as an auditor. A student must declare auditor status in a course by the "Last Day to Add Classes." This date is listed in the Academic Calendar. The degree of class participation required will be determined by the student and instructor and listed on the audit form, available on the Registrar's SharePoint site. The completed audit form will remain on file in the Office of the Registrar. The class audited will be noted on the transcript, and the instructor will award the grade of "AU" when the performance requirements outlined on the audit form are fulfilled, and the grade of "U" when the student fails to meet the requirements. A "Credit by Challenge Examination" is not permitted after taking a class for audit credit. An audited course carries no attempted hours and may not be used toward degree requirements (see also Tuition and Fees).

Pass/Fail Option (P/F)

An undergraduate student may complete no more than six courses graded as Pass/Fail. A student may not take all of their courses in a single semester as pass/fail. Up to two courses taken as pass/fail may fulfill General Education or BA requirements. A grade of pass/fail cannot be used in courses required for a major, minor, or concentration. To select the pass/fail option will complete a pass/fail form on the Registrar's SharePoint site no later than the deadline to withdraw from a course.

To receive a Pass (P) grade, the student's work in the designated course must be of at least D- quality. Work below a D- will receive a grade of F. A grade of P will earn course credit but is not included in quality point computations. The grade of F is a letter grade and is included in quality point computations.

Incomplete Grades (I)

A student may request an Incomplete grade when extenuating circumstances, such as university-authorized absences caused by illness, emergency, or deployment interfere with completing the course at the end of the semester or term. Students must have completed at least 60% of the course content at a level that demonstrates the student's ability to finish the outstanding work at a satisfactory level. An Incomplete grade, assigned by the Registrar's Office upon the receipt of the approved Incomplete Grade Form/Contract, is only assigned at the end of the semester.

An Incomplete grade may not be assigned for failure to submit required work, not attending class, regular leave, or detached service. The deadline for completing an Incomplete will be determined between the instructor and student and will not exceed 90 days from the last day of the semester during which the grade was assigned. Final approval is granted by the course department administrator.

Exceptions to the dates listed above can be granted to students who are deployed. See the Military Accommodation Policy for deployment-related circumstances.

Once the student has submitted the outstanding work, the instructor must request a change of grade. If the instructor does not request a change of grade within 72-hours of the deadlines listed above, the Registrar's Office will record the final grade provided by the instructor on the Incomplete Grade Form/Contract.

An Incomplete grade is not satisfactory for the purpose of fulfilling a pre-requisite. Incomplete grades are excluded from the computation of total credits and grade point averages (See the President's and Dean's List and/or academic achievement policies).

Grading Practices Notification for Students

Course syllabi must designate the method of grading in the course and the weight that is attached to all course requirements.

Grade Reporting by the Faculty

Faculty enter grades for all campus-based courses twice during the semester. Mid-semester grades are entered on, or before, Monday of the eighth week of the Fall and Spring semesters, in accordance with the Academic Calendar for residential programs. Mid-semester grades are not entered on the permanent record and are reported for the sole purpose of assisting students in assessing their academic status at mid-semester.

Final grades are entered at the conclusion of the semester. These grades are posted on the permanent academic record. Final grades must be entered within seventy-two hours of the last day of final examinations. Grades for graduating students may have an earlier deadline. The grade submittal due date is posted on the academic calendar and is communicated by the Registrar's Office. Faculty will maintain course grade records for a minimum of one year. Faculty leaving the employment of the University will submit these grade records to their respective department chair or school director.

Grade Notification

After grades have been entered, students may view their grades in Banner Web. After a period of about one week, a student may review their grades and current GPA on their academic transcript. The university does not mail grades or provide grades over the phone in compliance with the Data Privacy (FERPA) policy.

Academic Warning at Mid-Semester

Residential campus programs will provide an academic warning notice to a student who is failing two or more courses at mid-semester. First-year students who receive this notice must work with staff in the Center for Academic Success and Achievement on a plan to complete the semester successfully.

Grade Change/Appeal

Course grades are calculated and assigned by the instructor teaching the course according to the grading criteria on the syllabus. Once a student's final grade has been officially recorded by the Registrar, the grade may be changed if, (1) a new grade has been determined under the Norwich University Student Grade Appeal Policy or (2) a grade of Incomplete is replaced with a letter grade as specified in the current Norwich University catalog, or (3) an error in computing or in recording the grade has been identified by the instructor and has been verified by the instructor and the department chair or director.

A grade change entered for a course in the previous term will affect academic standing for the previous term; but no student will be academically suspended within the current semester due to a grade change.

Grade Appeals
Grade appeals are reserved for final course grades only and not for grades on individual assignments in a course. Requests for a change of final grade must be made within 120 days of when the final grade was awarded.

1. All final-grade appeals must begin with a written request from the student to the instructor.
2. If a resolution is not achieved with the instructor or the instructor does not respond in a timely way, the written grade appeal may be filed with the next-level supervisor.
3. Failing resolution with the supervisor, the student may submit an Academic Petition to the Dean of the College, or designee, in which the course resides.
4. The Dean's decision may be appealed to the Committee on Academic Standing and Degrees accompanied by all supporting documents. The decision of the Committee on Academic Standing and Degrees is final.

Academic Grievance

A student who has a complaint related to academics may submit a grievance. Also refer to any applicable student handbook and its guidelines specific to that area or department's procedure.

Steps

- To begin the grievance process, discuss your desired resolution with the person in question.
- When a mutually agreeable solution is not reached, a written appeal with the desired outcome must be provided by the student to the next-level supervisor. The student can repeat this process if a mutually agreeable solution still has not been reached and ultimately ends with the Provost. The Provost will review the material, arrange additional discussion as necessary, and provide a response.
- When the original grievance is against the Provost, the grievance will be reviewed by the President.

Integrity Standards

Academic Dishonesty Policy

A student suspected of academic dishonesty will be subject to a formal university process to determine if they are responsible. If found responsible, they will receive a sanction associated with the assignment or course.

Academic dishonesty is any behavior intended to promote or enhance a student's academic standing at the University by dishonest means. Acts of academic dishonesty are offenses against established standards of the academic community and the University's Honor Code. All suspected acts of academic dishonesty are initially subject to review by the Academic Integrity Officer (AIO).

Acts of academic dishonesty are considered cheating under the University's Honor Code, and include, but are not limited to, the following:

- Submitting work done by another as one's own.
- Submitting academic work for credit more than once, whether in whole or in part, in the same course or different courses without the approval of the instructor who is responsible for assigning credit to the work.
- Giving or receiving unauthorized aid on any assignment or examination.
- Altering any University form, record, or document, or forging the signature of any University instructor or official.
- Interfering with, or attempting to interfere with, the access of others to the University computer system, or any part thereof, copying computer files, diskettes, programs, software, or manuals without proper authority, or tampering in any way with the integrity of University records or systems.
- Interfering with, or attempting to interfere with, the fair and equal access of others to the use of the University libraries or other academic resources.
- Committing plagiarism, which is the use of words, ideas, concepts, or work of another, without proper acknowledgment.
- Using false citations.
- Submitting false data.
- Copyright infringement.

All suspected acts of academic dishonesty will be reported promptly to the AIO. Upon receipt of the report, the AIO will communicate with the student to review the charge. The student will have the option to accept or deny the charge.

Academic Integrity Procedures are sent to students upon notification of the report of an incident of academic dishonesty in a Norwich University course. If a student accepts responsibility or is found responsible, they will be found responsible for violating the University Honor Code.

The Academic Integrity Committee

The Academic Integrity Committee (AIC) is comprised of faculty and staff from residential and online programs and is chaired by the AIO. The AIC is responsible to the Faculty Senate for the implementation of University regulations involving violations of academic integrity. Decisions of the AIC may be appealed to the Senior Associate Provost.

The Honor Code

As a senior military college, Norwich University holds to a set of Guiding Values, among which are integrity, duty, courage, respect, and service. The university expects that, in all their contacts, interactions, and other involvement with university courses, personnel, and resources, students will conduct themselves in a manner consistent with those Guiding Values.

Every Norwich University student commits to abide by the University Honor Code: ***A Norwich student will not lie, cheat, steal, or tolerate those who do.*** This is particularly important in all classrooms, where students must ensure that all work is their own, sources are properly referenced in all assignments, and they have reviewed and understand the University's academic integrity policies. (See also the Academic Dishonesty policy.)

The Norwich University Honor Code is based on the principles that a student will not evade the truth, deceive, or tolerate those who do. Stated in even simpler terms, the Honor Code requires that every student conduct himself or herself at all times in a completely honest and forthright manner. The fundamental nature of these principles precludes the necessity of legislating detailed regulations to govern conduct in matters of honor, since a student is either honest or not.

It is assumed that all students will abide by the Honor Code. Instructors may require students to write and sign either of the following statements, or such other words as shall convey the same or similar meaning, as part of any assignment submitted for academic credit: "I have neither given nor received unauthorized aid on this assignment." Signed/"I certify that this is my own original work, prepared for this assignment only, without any form of unauthorized aid."

Failure to write and/or sign any pledge will not excuse any student from a violation of these regulations.

Student Conduct and Discipline

The College of Graduate and Continuing Studies academic programs do not have a separate Student Handbook addressing behavior outside of the classroom. To that end, the following discipline section pertains to a student admitted to a College of Graduate and Continuing Studies program. A student in a residential program must abide by the appropriate student handbook.

Prohibited Actions and Behaviors

In order to ensure a safe, respectful learning environment for all students, the College of Graduate & Continuing Studies has identified the following actions and behaviors that are not congruent with the **Vision, Mission, Guiding Values** and are not acceptable in any university-sponsored classes, activities, or interactions with university faculty, staff, or fellow students.

- Falsification of, or misrepresentation in, official university documents related to matters including but not limited to:
    - Admission to the University;
    - Eligibility for and use of financial aid;
- Eligibility to participate in any Norwich University-sponsored activity;
- Eligibility to graduate and to represent oneself as a graduate of Norwich University.
- Acts or threats of violence against any Norwich University student, faculty member, or staff member;
- Theft or attempted theft of any Norwich University resources or property, including intellectual and virtual property;
- Acts or threats of vandalism or destruction of any Norwich University resources or property, including intellectual and virtual property;
- Attempts to defraud Norwich University;
- Making false allegations against any Norwich University student, faculty member, or staff member;
- Creation of a hostile environment that interferes with the conduct of university classes, activities, or business, and/or the maintenance of a safe, respectful learning environment, by means including but not limited to:
    - The written or spoken use of words or phrases that a reasonable person would agree are derogatory references to personal characteristics including, but not limited to:
        - Gender
        - Age
        - Race/Ethnicity
        - Religion
        - National Origin
        - Sexual Orientation
        - Personal or Physical Limitations
        - Political Affiliation
        - Veteran Status
    - Shouting, cursing, or other attempts at intimidation in communications with a Norwich University student, faculty member, or staff member;
    - Repeated communications or attempts at communication with a Norwich University student, faculty member, or staff member after a request has been made that such communications cease;
- The commission of, or the indictment or conviction for, a felony offense under state or federal laws.

Nothing herein shall limit Norwich University's ability to report actions by students that violate local, state, or federal laws to the appropriate legal authority.

Sanctions

The dean of the college, or designee, may impose any of the following sanctions for behaviors or actions of the type described above:

1. A written warning to the student;
2. A written reprimand to be included in the student's permanent record;
3. Administrative withdrawal from a course or other university activity in which the violation occurred;

4. Suspension from the university for a period of up to one calendar year; and/or
5. Permanent expulsion from the university.

Procedures

- Right to Report. Any Norwich University student, faculty member, or staff member may report an alleged behavior or action of the type described above as prohibited actions and behaviors.
- Reporting Entities.
    - A student should report the alleged behavior or action to his/her enrollment advisor or student services advisor.
    - A faculty member should report the alleged behavior or action to his/her academic program director/manager/coordinator.
    - A staff member should report the alleged behavior or action to his/her immediate supervisor.
    - The enrollment advisor or student services advisor, or the immediate supervisor, will report the alleged behavior or action to the program director/manager/coordinator of the program in which the student accused of the behavior or action is enrolled.
- Reporting Procedure. Allegations are to be reported in writing and accompanied by evidence of the behavior or action. Evidence may include screenshots, email, witness account, or any other type of evidence.
- Review of Evidence.
    - If, after reviewing the allegation and evidence, the academic program director/manager/coordinator finds that it is reasonably likely the behavior or action has occurred, he or she will notify the student in writing of the allegation and instruct the student to cease or correct the behavior.
    - If, after reviewing the allegation and evidence, the academic program director/manager/coordinator finds that it is reasonably likely the alleged behavior or action has not occurred, he or she will notify the individual reporting the behavior or action of the finding.
- Emergency Action. Notwithstanding the hearing procedure below, in cases where the behavior or action constitutes a threat to any Norwich University person or a substantial interference in the conduct of any university activity, the dean of the college may immediately suspend the student from access to all university systems and activities pending a review of the situation.
- Disciplinary Hearings. A student who has been suspended or expelled may request a disciplinary hearing within two weeks of notification of the sanction being sent. A program director/manager/coordinator may also request a disciplinary hearing if the behavior or action continues after a student has been instructed to cease or correct it.
    - Within 30 days of the request a disciplinary hearing will be convened by the appropriate associate dean, who will conduct the hearing but will not have a vote.
    - The Hearing Panel will consist of the following three persons:
        - The director of student success and retention of the College and Graduate and Continuing Studies;
        - An academic program director/manager/coordinator of a different program; and
        - A college staff member who is not the originator of the allegation.
    - The originator of the allegation will attend the hearing in person or via telecommunication, as will the student accused of the behavior or action. Both persons will be allowed to make statements and present either supporting or exculpatory evidence during the hearing.
    - After reviewing the statements and evidence the Hearing Panel will vote on whether the behavior or action occurred and whether it is unacceptable in accordance with section above outlining prohibited actions and behaviors. If a majority of the participants vote no, the hearing will end. If a majority of the participants vote yes, the associate dean will call for a second vote on a recommended sanction. The associate dean will then refer the recommendation to the dean of the college for action.
    - A student who receives a sanction of suspension or expulsion from the university that is not overturned by the Hearing Panel may appeal the sanction to the provost of Norwich University who reviews the matter on the record. The provost's decision is final and not subject to appeal.

Integrity Standards

Intellectual Property

In general, the student, not the university or any instructor, owns intellectual property created solely for the purpose of satisfying a course requirement. Exceptions to this policy occur when/if:

- a student is enrolled in a program that uses the student's employer as a lab site for assignments; the employer may assert ownership rights of the student's work in the seminar or course that is directly or indirectly related to use of the employer's business.
- a student assigns ownership rights of the intellectual property to the university in writing
- written assignment of intellectual property ownership rights to the university is a condition for participation in a seminar or course.
- a student prepares case study reports that involve the university's corporate learning partners; the university owns the intellectual property rights to these reports.
- a student's assigned research projects are funded by outside sponsors and the sponsor requires ownership of the intellectual property the student produces as a condition of sponsorship; the university will so advise the student before the project commences. Students will be required to sign a waiver prior to beginning the project.

The university owns the answers and questions on tests and examinations, unless otherwise indicated by the seminar or course instructor. Tests and examinations include, but are not limited to print, electronic, and audio or visual formats.

The university must maintain files of student work for accreditation purposes. Further, some accrediting agencies require that the university hold original copies of student work. In such cases, the university asserts its right to retain possession of a student's work. An exception may be made for a written and executed non-disclosure agreement regarding student work which contains proprietary corporate information. Retention of a student's work for purposes of accreditation is not an assertion of ownership.

The Award of a Credential

The University awards the following degree levels: associate, bachelor, and master. Additionally, program of study certificates are awarded at the undergraduate and graduate levels.

Definition of Credential

The degree or certificate is an academic credential. A credential is awarded when national and state regulations are met as well as stated degree requirements and/or academic program requirements. The credential is issued as a diploma or certificate and on an academic transcript.

Credential Completion Statute of Limitations

A student must satisfy a program's requirements with a declared catalog year that is no more than 150% of the degree length as defined by the federal government in credit hours. For example, a student enrolled in a four-year program must follow requirements listed in a catalog year within 6 years at the time of the credential completion. Programs leading to licensure or is governed by specialized accreditation may require a declared catalog within fewer years, in addition to retaking outdated courses.

Graduation

Graduation is the completion of all credential requirements as recorded on the official transcript.

Conferral

Conferral, also known as credential completion, is evaluated on a rolling basis and once completion is certified, the completion date will be recorded on the student record. Coursework deadlines are the last day of the semester/term. The posted credential award date is the last day of the semester or term. Credentials are distributed at the close of each semester or graduate term. For further information on the required outstanding coursework and credential distribution, please contact the Office of the Registrar. No credential shall be conferred, or awarded until the Registrar's Office verifies that all requirements are met. The Registrar, in conjunction with the President and the approval of the Board of Trustees, awards credentials. An act deemed by the University as egregious can result in the act of revoking a conferred credential or the conferral of a credential.

Graduation Application

A graduation application is required for each certificate and/or degree and major sought. An application for program completion during the spring or summer term is due October 1, and the fall or winter term is due March 1. At the time of application, a fee will be assessed. A candidate with an active application who communicates with the Registrar's Office they must defer to a future end term, will have the application carried forward for no more than one semester or term. Thereafter, the application will become inactive requiring a new application and fee assessment.

Diploma/Certificate

The diploma and/or certificate (8.5" x 11") is a commemoration of achievement which includes replacement diplomas. Official certification is posted on the official transcript or through the certification service of the National Student Clearinghouse (NSC). An electronic diploma or certificate that is released with a date stamp released by the Registrar's Office is also considered an official document.

The diploma is printed with the degree, major, and, when applicable, Latin Honor. For an eligible student, the Military College of Vermont (MCV) designation will be labeled on the diploma. The certificate is printed with the certificate program name. The printed student name is taken from the graduation application. Most often, this is the student's legal name; however, an alternate name may be given. The University reserves the right to deny a non-legal name.

Commencement

Commencement is the ceremony that celebrates the completion of a degree. Participation in the commencement ceremony does not confirm that a student has earned a credential. At the conclusion of the spring semester, there is one commencement ceremony. A degree-seeking student with an active graduation application for the current academic year (Fall, Winter, Spring or Summer) is invited to participate in Commencement. Participation may be revoked when a summer graduate course load is greater than a typical semester, assessed by the Office of the Registrar. Or, when the student has pending disciplinary action to be cleared by the Provost, and when applicable in conjunction with the Vice President for Student Affairs. A candidate for graduation is eligible to walk once per degree. A degree recipient who did not participate may request to participate in a future ceremony. Additional procedures are listed on the Registrar's SharePoint site or Registrar's website.

Latin Honors (refer to Academic Honors)

Posthumous Degree

A request for a posthumous degree is initiated by a person associated with the deceased, to the Registrar. This is usually a family member, but the academic department of the student can initiate it in accordance with the wishes/support of the family. The request must be approved by the Department Chair/School Director, the College Dean, and Provost.

Undergraduate degree:

- At the time of death, the student was enrolled in courses, successfully progressing toward the requirements for the degree, or nearing completion of the work required to award the degree. Or,
- The student was in good academic standing.

Graduate degree:

- At the time of death, the graduate student was nearing successful completion of the work required for the degree.
- The student was in good standing.

If the posthumous degree is approved, the Registrar shall notify the College Dean who will notify the family to inquire if a family member wishes to attend Commencement Exercises to receive the posthumous degree.

- If the family wishes to attend Commencement, the Dean will inform them to contact the Registrar.
- The Registrar will provide instructions to the family on how they will receive the degree at Commencement.

The posthumous degree will be so noted after the deceased student's name in the Commencement Program. The Registrar shall note, but not post, the degree to the deceased student's official transcript with the notation; "Degree Awarded Posthumously". The Registrar shall ensure that grades of W (withdrawn) are entered for all courses the deceased was enrolled in at the time of his/her death.

Awarding a Credential

Certificate

A certificate is the completion of a specific skill area. A certificate is an approved set of credit-bearing courses at the undergraduate or graduate level. The specific number of credits required for a certificate varies by the individual certification program. Admission into a certificate program does not guarantee admission into a degree program. Once a degree has been awarded or while in progress a certificate is not awarded.

Certificate Requirements

Undergraduate Academic Certificate
At a minimum a high school diploma, and the following criteria must be met:

- No previous degree requirement
- A minimum course grade of C or higher in required coursework.
- All coursework must be taken at Norwich University, unless specified otherwise in the program requirements. A certificate cannot be solely earned by coursework not at Norwich University.

Graduate Certificate
At a minimum, a bachelor's degree is required for admission (see also the certification program's admission requirements on the Norwich website), and the following criteria must be met:

- Additional admission criteria may be required within the specialized programs of study.
- A minimum course grade of B or higher in required coursework.
- All coursework must be taken at Norwich University, unless specified otherwise in the program requirements. A certificate cannot be solely earned by coursework not at Norwich University.

Post Master's Certificate
A post-master's certificate (PMC) is for a professional who currently holds a master's degree to advance professional skills, knowledge, and industry expertise, and the following criteria must be met.

- Additional admission criteria may be required within the specialized program of study.
- A minimum course grade of B or higher in required coursework.
- All coursework must be taken at Norwich University, unless specified otherwise in the program requirements. A certificate cannot be solely earned by coursework not at Norwich University.

Awarding a Credential

Associate of Science

The associate degree is only available through the College of Graduate and Continuing Studies. The Associate of Science degree seeks to provide students with a broad liberal arts education in the key academic domains as well as focused coursework in a specific area of professional and/or personal interest. Graduates of the A.S. program are well-prepared to matriculate into a bachelor's degree program if desired.

The Associate of Science is a degree credential to include General Education requirements and a minimum of 24 credits toward a declared major. A.S. program in Leadership.

Degree requirements

- Achieve a minimum of 60 total undergraduate credits; courses numbered 100-499.
- Complete a minimum of 15 credits from Norwich University.
- Earn a minimum cumulative grade point average of 2.0.
- Complete the General Education Curriculum for the Associate of Science.
- Complete at least one major.
- Each major must earn a minimum GPA of a 2.0.

Awarding a Credential

Bachelor Degrees

Bachelor of Science (BS)

A Bachelor of Science is a degree credential to include General Education requirements and a declared major.

RESIDENTIAL MAJORS			
Accounting	Architecture Studies	Biology	Biochemistry
Chemistry	Civil Engineering	Communications, Design, Media Arts	Computer Science
Cybersecurity & Advanced Computing	Construction Management	Criminology	Education
Electrical & Computer Engineering	Interdisciplinary Engineering	International Business	Environmental Science
Exercise Science	Geology	Health Sciences	International Business
Leadership	Management	Mathematics	Mathematics and Computer Science
Mechanical Engineering	Neuroscience	Nursing	Physical Education
Physics	Psychology		

ONLINE MAJORS		
Business Administration	Criminal Justice	Computer Science & Information Systems
Cybersecurity	Leadership	Management Studies
National Security Studies	Nursing RN-BS	Psychology
Strategic Studies and Defense Analysis		

Bachelor of Public Health (BPH)

A Bachelor of Public Health is a degree credential to include General Education requirements and a declared major.

RESIDENTIAL MAJOR
Public Health
ONLINE MAJOR
Public Health

Bachelor of Arts (BA)

The Bachelor of Arts is a degree credential to include General Education requirements, Bachelor of Arts supplement requirements and a declared major.

RESIDENTIAL MAJORS			
Criminal Justice	English	History	International Studies
Political Science	Psychology	Spanish	Studies in War & Peace

Bachelor of Interdisciplinary Studies (BIS)

The Bachelor of Interdisciplinary Studies is a degree credential to include General Education requirements and requirements and a declared major.

RESIDENTIAL MAJOR
Interdisciplinary Studies
ONLINE MAJOR
Interdisciplinary Studies

Bachelor's Degree Requirements

- Achieve a minimum of 120 total undergraduate credits; courses numbered 100-499 (See also advanced standing)
- Earn a minimum cumulative grade point average of 2.0
- Complete a minimum of 30 credits from Norwich University
- Complete the requirements for a Bachelor of Science, Bachelor of Arts, Bachelor of Public Health, or Bachelor of Interdisciplinary Studies
- Complete the General Education Curriculum
- Complete at least one major

Double counting credits

Unless specifically stated otherwise, students may use the same course to satisfy more than one requirement within one degree, however courses between a program's major and concentration cannot be shared. If one or more courses satisfy requirements between majors offered by two degrees, the courses may be shared; however, students must earn the minimum number of credits for the degree, major or minor.

Earning Two Degrees

An undergraduate degree candidate may qualify for a dual degree (i.e., concurrent B.A. and B.S. or return for an additional degree) when degree requirements are fulfilled and a minimum of 30 credits are unique to the second degree's major.

Awarding a Credential

Graduate Degrees

The University awards the following graduate degrees: Master of Architecture, Master of Arts,Master of Athletic Training, Master of Business Administration, Master of Public Administration, Master of Public Health, Master of Science, Master of Science in Nursing.

Master of Arts
The fields of study leading to a Master of Arts degree credential are Defense Policy, History, Military History, Diplomacy, Global Affairs, International Relations, Museum Administration, and Strategic Studies.

Master of Science
The fields of study leading to a Master of Science degree credential are Criminal Justice, Cybersecurity, Leadership, and Management.

Requirements for the Graduate Degree

- Complete a minimum of 30 credit hours of coursework as prescribed by the program of study.
- No more than 50% of the program of study requirements can be taken outside of Norwich.
- Earn a cumulative GPA of 3.0 or above.

Earning Two Degrees

A graduate degree candidate may qualify for a dual degree (concurrent i.e., M.A. and M.S. or return for an additional degree) when no less than 20 credits are non-duplicated between the programs of study between the degrees.

Major Requirements

The major is the field of academic specialization within a degree. It is defined as:

- A set of required courses, outlined in the curriculum.
- A minimum of 24 credits within an Associate of Arts degree; a minimum of 30 credits for undergraduate and graduate programs.
- No more than 50% of the major requirements can be taken outside of Norwich.
- At least two courses at the 300-400 level with a bachelor's program.
- Interdisciplinary majors must include courses from more than one related academic discipline.

Declaration/Change of Major

A student meeting the University admission requirements may declare a major at any time, unless a program has additional entry requirements. Refer to the specific academic program admission requirements for details. Academic programs offered through the College of Graduate and Continuing Studies cannot be declared with residential programs and vice-a-versa.

Removal from a Major

The program administrator has the authority to dismiss a student from a major for academic deficiency or unsatisfactory performance in a clinical program or an internship, practicum or program. The action is retained in the student record. The student will be classified as undeclared until a new major is declared.

Earning Two or More Undergraduate Majors

An undergraduate student may elect to fulfill the requirements for two or more majors within the same degree credential, i.e. Bachelor of Science. When the declared major is housed between different degree credentials, refer to the Earning Two Degrees policy statement.

- A student may not earn both a major and a minor in the same field of specialization.
- All requirements for each major must be completed prior to the degree award. (See also earning two degrees)

Major

Minor

A minor is a discipline of study with an approved course of study. Minors are not applicable to the Associate of Science Degree or Master's degrees.

- At least one-third of the required credits in a minor must be done as coursework at Norwich University.
- At least 15 credits.
- No less than a cumulative grade point average of 2.0 in required courses.
- A student may not earn both a major and a minor in the same field of specialization.
- A minor may follow the declared catalog or a more recent catalog.
- A minor will not be awarded after a bachelor's degree has been awarded.

Removal from a Minor

A School Director/Department Chair has the authority to dismiss a student from a minor for academic deficiency or unsatisfactory performance in a clinical program or an internship, practicum or program. The action is retained in the student record.

Major

Concentration Requirements

A concentration is generally offered within a major. The course requirements will focus on one's major curriculum in a specialized area. The major requirements will state if a concentration is required, optional, or when more than one concentration may be declared. A concentration that is not attached to a major is considered an optional add on concentration. To declare concentration or concentrations, a student will submit a signed Field of Study Declaration form to the Registrar's Office available on the my.norwich.edu website.

- At least half of the concentration must be taken at Norwich University.
- Concentration requirements must be earned prior to the degree being awarded.
- A concentration is not listed on a diploma.
- A concentration is listed on the official transcript.
- A concentration will not be awarded after a Bachelor's or Master's Degree has been awarded.

Earning Two or More Graduate Concentrations
A student may elect to fulfill the requirements for two or more concentrations. Such action requires the approval of the Program Director. For example, a student may earn an MS in Leadership with a Public Sector Leadership concentration as well as an Organizational Leadership concentration. To declare a major, minor, concentration, a student will submit a signed Field of Study Declaration form to the Registrar's Office available on the my.norwich.edu website.

- All concentrations must be from the same graduate program. If concentrations are from different programs, then the student must apply for two degrees.
- A minimum of 42 graduate credits is required to be awarded a multiple-concentration degree.
- One diploma is awarded for all concentrations.
- A concentration is not printed on a diploma.
- A concentration is listed on the official transcript.

Registration

An individual student is responsible for registering for the course(s) for each semester and managing their degree completion requirements. Registration dates are available on the Academic Calendar website. A student with an active account hold is ineligible to register. The registration period opens based on the student's current class level - see Student Class Level. See also, Academic Calendar.

A student will add, drop or withdraw from their courses via Banner Web. Official registration-related dates are listed on the Academic Calendar; a student is permitted to register into one academic calendar, e.g. 16-week semester or the 11-week semester but cannot cross register calendars. Undergraduate residential programs require permission to register released by the academic advisor. When a student enrolled in a residential program is identified as needing additional advising intervention the Center for Academic Success and Achievement may request an advising registration hold. The individual imposing the registration hold will notify the student and action to rectify the hold. If an account hold or registration hold is not resolved by the end of the Add period, the student cannot enroll. For any course registration, course add, drop or withdrawal, refer to the billing policies posted by the Bursar's Office.

To receive credit, a student must register for all courses before the last day of the semester or term; otherwise, there is no official record of the course.

Course Add
A student can add a course up to six business days from the start of the first day of class. For a course offered in a compressed term (i.e. part-of-term, eight-week session, five-week session, etc.) refer to the posted Academic Calendar on the University Website for deadlines to add a course. A student may complete an Academic Petition to late add but no later than the last day of the semester or term and with approval from the course instructor, the advisor, the chair or director of the department of the course, and the Dean of the course.

Course Drop/Course Withdraw
Dropping or withdrawing from a course is the student's responsibility. The Academic Calendar lists the deadlines for dropping a course without a record or a course withdrawal, earning a grade of "W" on the transcript. Typically, for a full semester course, the last day to drop a course (not on the official record) is a week after the start of classes. Students have until the second to last Saturday of the semester or term to withdraw (grade of "W") from a course. After the posted course withdrawal deadline, the student may withdraw earning a grade of "WF." The "WF" grade is recorded and calculated into the student's official transcript (see also course quality points). To withdraw after the deadline, the student must complete the Registration Agreement form on the Registrar's SharePoint site.

Course Drop/Withdrawal - Administrative
Dropping or withdrawing from a course is the student's responsibility. However, the Provost or Vice President of Student Affairs may administratively withdraw a student for behavior or when a student shows indifference to their studies.

Course Drop/Withdrawal - Last Course
To drop or withdraw from the last course for any semester or term of enrollment, a student must submit a Withdrawal Form. See also, Withdrawal.

Course Levels
Course descriptions are located within the Course Descriptions section of this catalog. The level of a course is indicated by its number. If the course has a pre-requisite, co-requisite or restriction, the Course Description will include this information along with the typical semesters the course is offered.

Course Offerings
The times and days for class sessions and the rooms in which they are held are listed in the Schedule of Courses located in Banner Web. When limited numbers of students enroll in an elective course, or if unforeseen difficulties arise, the University reserves the right to remove the course from the schedule without further notice. Demand for certain courses or staff conditions may also necessitate a change in the schedule.

Course Override
When a student wishes to enroll in a course but is unable to register due to one or more of the reasons below, the student may contact the instructor of record, the department chair, or the director with a request for an override. The department chair, director, or program manager, in consultation with the instructor, is under no obligation to approve the override request.

- The course is full.
- The course requires instructor, department, or instructional location approval.
- The course has prerequisites (e.g., another course is to be taken first) or corequisite (e.g., courses are to be taken at the same time).
- The course is linked to another course (e.g., a laboratory).
- The course is only open to majors or a specific program, etc.
- The course is open only to students in a specific class or level (e.g., sophomore status, undergraduate, graduate).
- Time Conflict.

Course Waiting List
A course section that has met the seat limit may offer a course waitlist. A student may add the course as a Waiting List (WL) status via Banner Web. When or if the waitlisted seat becomes available, the student will receive an email notification stating the student must add the course within 24 hours. Should the student not register within 24 hours, the student will be dropped from the course waitlist. The next student will be notified. Waitlists are cleared/erased at the start of the semester or after the Course Add period. A College Dean may override a student with a higher waiting list number when they have determined there is a higher priority to enroll.

Course Load
A typical course load for undergraduate students in campus-based programs ranges between 15-18 credit hours per semester. For a student to graduate in four years, an average of 15 credit hours per semester is needed. Please review a sample curriculum map for a specific degree to determine the number of credits needed. Full-time status begins at 12 credit hours per semester. A student can register for a maximum of 22 credit hours (19 academic credits plus up to 3 ROTC credits) without special permission; excluding MU 260 (see also the Tuition and Fees section for credit hour charges published on the Bursar's website). Students in an online program have a 12-credit limit and must petition the program's director for an exception for hours beyond the registration limit. A graduate student in a residential program is permitted to register into 16 credits where online graduate programs is 12 credits. Hours beyond the registration limit might be approved under limited circumstances through an Academic Petition Overload (Registrar's Office SharePoint website).

Internships
A student must register for an internship during the designated registration period for a fall or spring semester. Departmental or School permission is required for an internship. Enrollment for internships will not occur unless the faculty member has received written confirmation from the field supervisor that internship arrangements are complete. Internship enrollment dates must coincide with the opening and closing dates of the semester, term, or part-of-term. For each credit of internship, one credit equals 40 hours of experience.

Independent Study
A course taken as an independent study is reserved for a student who must take a course that is not offered in the desired term or is taken independently from a section on the university's course schedule. An affirmative recommendation from the student's academic advisor and the course Department Chair/School Director is required by completing an Independent Study contract available on the Registrar's SharePoint site.

Winter Term (16-week calendar)

The Winter Term is intended for undergraduate students who wish to enroll in an 11-week graduate-level course that spans both the fall and spring semesters. Students will take one graduate course that is divided into credits between the two semesters. Because the course runs across both semesters, the final grade recorded will be for each of the divided courses. A placeholder grade of SP will be entered for the fall semester course until the final grade is earned. In the event a student's academic standing is negatively impacted once the final grade is entered, academic standing will not be adjusted during the fall semester.

- **Credit Charges:** The Winter Term credits will be included within the fall and spring semester's flat-rate tuition.
- **Financial Aid Eligibility:** Financial aid will be based on the total credit enrollment for each semester, as per the policy for semester-based financial aid.

Registration

Intermester

The Intermester term will be offered within the residential spring semester calendar, occurring during the break between the fall and spring semesters. This term is open to both undergraduate and graduate students on the semester calendar. It will provide a flexible academic experiential or independent course opportunity, such as a topics course, class trip, or internship. The term will take place during the "down weeks" between the fall and spring semesters.

- **Credit Charges:** Intermester term credits are billed per credit, in addition to the spring semester's flat-rate tuition charges.
- **Financial Aid Eligibility:** Financial aid for the Intermester Term will be determined based on current aid practices and student eligibly when enrolled during the spring semester.

Transfer Credit

Past coursework and experiential learning may be applicable to a student's academic program and will be evaluated for potential course credit or used to justify a course waiver. We will abide by all rules and regulations issued by accreditors or government agencies when evaluating and granting credit or waivers for past coursework and experiential learning.

The standards used for the evaluation of transfer credit will follow the New England Commission on Higher Education endorsement of the *Joint Statement on the Transfer and Award of Credit* supported by the American Association of Collegiate Registrars and Admission Officers, the Council for Higher Education Accreditation, and the American Council on Education, which look at, (1) the educational quality of the learning experience which the student seeks to transfer; (2) the nature, content, and level of the learning experience as compared to that offered by NU; and (3) the appropriateness and applicability of the learning experience to the programs offered and consideration of the student's educational goals.

- To receive credit, a transcript or certificate must be an official document based on the credit-granting entity's definition of "official." The official document must be received directly by Admissions or the Registrar's Office from the awarding entity.
- Grade quality points are not awarded or calculated into a student's Norwich cumulative grade point average when a student is awarded credit for past coursework or prior learning.
- All courses submitted for evaluation will be evaluated for potential credit.
- Transfer credits or prior learning is not limited; however, when accepted credits or courses exceed the stated residency requirement, transfer or prior learning credits may not fulfill a requirement(s). Residency is a required number of credits or specific courses that must be taken at Norwich. When credits exceed the residency requirement, arrangements will be made between the student and advisor or the department head to determine what coursework will be taken at Norwich to meet the residency requirement.

College or University Credit

- A course will be reviewed when issued by an accreditation body recognized by the Council on Higher Education Accreditation (CHEA) or by the Department of Education. International universities must be recognized according to their country's regulations. A syllabus may be requested when a course description is not sufficient. The threshold of majority match in course outcomes will be used to determine course equivalence (1:1) otherwise a course elective will be assigned.
- A transfer course grade is identified with the grade of "T" followed by the respective grade earned at the institution, e.g. "TB-," so that the course is applied following program requirements. Quarter credit hours or units will be converted to semester credits. A quarter credit is divided by 1.5. For example, 5 quarter credits equals 3.3 semester credits.
- When a transfer course is assessed as equivalent but has fewer credits than the equivalent Norwich course, only the credit hours earned will be applied. When the transfer course credits exceed a Norwich course, all credits earned will be applied.
- Undergraduate Programs
    - A course that is remedial in nature (often with a course number below 100) is not eligible for transfer. The course may be posted to the student record to fulfill a prerequisite requirement but will not carry credit hours.
    - A student who has earned a bachelor's degree, or an associate of arts or associate of science degree from an accredited institution recognized by the Council for Higher Education Accreditation (CHEA) or the Department of Education will have the General Education Goals satisfied. In instances where a course within a General Education Goal also fulfills a major requirement, the course must be satisfied with the transferred equivalent course or taken as part of the major.
    - An earned degree determined to be equivalent to a U.S. degree is considered equivalent to the U.S. degree level at the associate or bachelor's degree level.
- Graduate Programs
    - Each Graduate Program Director evaluates eligible graduate-level courses for transfer credit. Grade quality points of 3.0 (B) or higher are eligible for evaluation.
    - A graduate program may elect to offer a Prior Learning Assessment.

Prior Learning

A non-college course experience or a combination of training and professional experience sometimes equips students with some of the knowledge, skills, and abilities that they would acquire in a formal college-level classroom. Therefore, students with completed examinations, or through professional training in combination with professional or work experience will be reviewed for credit consideration.

National Exams

- Advanced Placement (AP)- An Advanced Placement score report must be sent directly from College Board, Code: 3669.
- Advanced Standing/Credit Business and Technology Education Council/Cambridge International-Advanced Diploma Level 3 and BTEC National Diploma will be reviewed for advanced standing and/or academic credit of up to 30 semester hours, when the subject matter is deemed acceptable. A-Level courses with a C or higher are recognized for college credit of up to 30 semester hours of credit. AS-Level courses with a C or higher are recognized for college credit of up to 15 semester hours of credit.
- College-Level Examination Program (CLEP) – A Subject Examinations of the College Level Examination Program score report must be sent directly from College Board, Code: 3669.
- International Baccalaureate Organization Program (IB) - Standard and higher-level examinations will be evaluated for course credit.

Military Credit and Workforce Training

- Consideration for college-level coursework is available when evaluated by the American Council on Education (ACE). Official Military transcripts or supporting documentation is required or a DANTES Subject Standardized Tests (DSST) exam scores. Assessment considerations to determine equivalency or elective credit will follow The Guide to the Evaluation of Military Experiences in the Armed Services for Military Training.
- Workforce training will follow The ACE National Guide. The award of course credit for Military Training complies with Veterans Administration regulations and guidelines as well as with the terms of the Memorandum of Understanding with the U.S. Department of Defense for the award of Tuition Assistance (TA) to active duty military students as they pertain to transfer credits.

Additional Learning Opportunities

- **An Online Course Provider** is a non-college entity offering "coursework" with the potential to translate into credit-bearing coursework.
- **Massive Open Online Courses (MOOCs)** are free online courses available for anyone to enroll to sample a college course. Consideration for a credit-bearing course or a course waiver is available from an Online Course Provider or MOOC by following the Norwich ACE policy. There is no limitation to the sequence of coursework taken. These pathways must follow the Transient Course Permission policy and an official transcript or proof of completion is required. When the course is not ACE recommended, the Department Chair/Director may assess the coursework following the Course Equivalency for Credit/Exemption policy.

Professional Experience

A student who believes they have achieved a course's learning outcomes through professional experience is encouraged to complete an assessment of their knowledge. Examples of professional experience are but are not limited to, job training or earning a professional certificate. A student who was ineligible to receive credit through one of the transfer credit pathways is not eligible for a prior learning assessment. An assessment may be completed one time and cannot be taken after the degree is earned at the level the course is offered.

Guiding principles

- The academic department will determine the assessment method.
- The academic department may decline the request and require a nationally normed assessment like CLEP. Applicable fees are the responsibility of the student.
- The assessment method will be provided to the student in advance.
- Prior learning to be assessed as a free/open elective will be determined through a certificate or artifact submission to the Committee on Academic Standing and Degrees.
- Credit hours will be determined as follows:
    - Zero credits will be awarded when the assessment is offered as a course waiver.
    - Convert experiential learning to credit hours.
        - Continuing education units (CEU) 10 Continuing Education Units (CEU) equals 1 credit. T
        - Documented professional training hours of 100-hours equals 1 credit.
        - Credits shall not exceed the published course credit hours.
        - Experiential learning accepted as a free/open elective will not exceed three credits.
        - An assessment where time cannot be measured will be awarded as the published course credit.

Assessment Methods

- Certificate or artifact submission
- Course examination for credit or waiver
- Previously assessed prior learning
    - A prior learning assessment transcribed by another higher education entity will be reviewed for applicability to a Norwich program.

Articulation Agreements

Articulation agreements are unified agreements between Norwich University and partner organizations. A student who transfers to Norwich under an Articulation agreement shall follow transfer regulations according to the specific articulation agreement.

Current Students and Coursework Off-Campus

International Study
Degree-seeking students who are interested in studying outside of the United States will follow the Transient Student Policy and follow the Transfer Credit policy. For a program offered through a Norwich study abroad program should contact the International Center for information on application procedures. Upon coursework completion, the student must provide an official transcript of the coursework completed. When a transcript cannot be obtained in English, the student must submit the transcript through a National Association of Credential Evaluation Services (NACES) approved agency. The University reserves the right to accept or reject transcripts and to ask for additional information if deemed necessary.

Transient Course (NU student taking a course at another institution)
A degree-seeking student who wishes to earn credit at another accredited institution must have written approval from their academic advisor in the form of the signed Transient Course form. To determine course transferability, the subject Department Chair/Program Director will review the course when the course is not articulated. A course taken off campus is held to the Transfer Credit Policy and program grade rules (see also Course Repeat policy). A student must also meet residency requirements; e.g. hours earned at Norwich University.

Transfer Credit Appeal

If a student wishes to appeal a transfer credit decision, s/he may submit a copy of the syllabus from the course in question to the Office of the Registrar no later than 90 days from the date of the transfer evaluation. Appeals will go to, and may be granted by the program designee and amended on the student's record. When cases of unusual or extenuating circumstances occur, a student may appeal the transfer credit decision beyond the 90-day limit.

Leave

Military Leave

A student who must withdraw or take a leave mid-semester from the University due to military activation or deployment must complete the online withdrawal form and submit military orders for approval. Once approved, the student will receive a full refund of tuition and mandatory fees. Room and board charges apply on a per-day basis. To complete the process, complete a withdrawal form located on the Registrar's SharePoint site.

Eligible military obligations include:

- A student serving in the military who is notified after the first day of the currently enrolled term that they have been activated or deployed to a combat zone, or in direct support of or proximity to a combat zone.
- A student who is a member of the National Guard or reserve forces of the United States who is ordered to state military service or federal service or duty.
- A student who is a spouse of an activated or deployed military member with a dependent child.

The student has three options:

- Withdrawal
    - Military withdrawal accommodations permit the student to withdraw (grade of W) from a course(s) through the last day of the semester or term. The student account becomes inactive at the time of the withdrawal.
- Incomplete Grade
    - Arrange with each course instructor to utilize the course incomplete grade policy. There is no adjustment for tuition and mandatory fees. When a combination of course withdrawal(s) and incomplete grade(s) is utilized, this will result in a refund of applicable tuition and mandatory fees if the student drops below full-time.
- Final grade
    - If at the time of leave and 80% of the course is complete the student may request a final grade. Reactivation

At the conclusion of the military obligation, the student will follow the readmission/reactivation policy. So long as the leave is within one calendar year, the advisor will work with the student to prepare an academic plan to alleviate a loss in academic progression.

Emergency Leave

A student who must leave the University for physical or psychological health reasons must receive a recommendation from the NU Student Health Center, NU Counseling and Psychological Services Center, or the student's physician or therapist. The final approval for an emergency leave is granted by the Vice President of Student Affairs and Commandant's Office. A student will follow the pathways for completing their coursework described in the Military Withdrawal, Leave section. Upon approval, the appropriate staff will discuss the leave process and requirements to return to Norwich. The student will be given a formal letter that describes the leave process and the process to return. A student not approved for an emergency leave will follow the withdrawal process.

Financial Impact

Tuition and student fees charges apply according to the NU Bursar's Office policy posted on the Bursar's website when a student completes a course withdrawal or withdrawal from the university. Room and board fees charges apply according to the NU Bursar's Office policy posted on the Bursar's website when a student completes a course withdrawal or withdrawal from the university.

Federal Student Aid Programs

Financial aid eligibility adjustments are determined using the date the student is no longer enrolled. The student will retain a total amount of aid representing the same percentage of time enrolled during the term of withdrawal. For example, if the student was enrolled for 17% days of the term, they retain 17% of their total Federal Student Aid Program funding. Once the retained amount is determined, NU will return any excess Federal Student Aid Program funding disbursed toward the student's billed charges to the US Department of Education. NU is required to reduce loan eligibility prior to making any reduction to gift aid programs such as the Federal Pell Grant program.

Norwich University Scholarships and Grants

NU scholarship and grant adjustments are determined by when the student is no longer enrolled. The student will retain a total amount of scholarship and/or grant representing the same percentage of time enrolled during the term of withdrawal. For example, if the student charges are 40%, they will retain 40% of their NU scholarship and/or grant amount. For additional information, visit the Student Financial Planning Office.

Leave Exit Process

Emergency Leave Readmission

The Emergency Leave readmission process ensures that students are sufficiently recovered to return to campus. Policies governing readmission address the University's need to be confident that students will be safe upon return to campus; that students' health will allow them to work autonomously and up to potential without disruption or undue strain on others; and that students can adequately monitor their own health. The procedures also provide a review of the ongoing support which students may need when returning to campus (e.g. medications, continued psychotherapy appointments, and/or continued medical appointments).

Application for Readmission

To apply for readmission from Emergency Leave, the student must submit a completed Readmission Application according to the Readmission Policy (see Academic Standing) and appropriate supporting documentation recommending return from an Emergency Leave to the Commandant or Dean of Students Office.

The Commandant or Dean of Students will review the supporting documentation in consultation with the appropriate NU Health Service and the Risk Assessment Team to determine whether the student has met the return from Emergency Leave requirements established in their "exit" letter.

If there is uncertainty about whether a student has met the return from Emergency Leave requirements, on-campus interviews may be arranged with the appropriate NU Health Service. The appropriate NU Health Service would then transmit a recommendation concerning the student's readiness for Return from Emergency Leave to either the Commandant or the Dean of Students, who would review its recommendation in consultation with the Risk Assessment Team to determine the student's ability to return. If a student's request to return from an Emergency Leave is denied, the Commandant or Dean of Students will communicate the decision to the student. A student can appeal this denial to the Vice President of Student Affairs. An approved student will be notified by the Registrar's Office.

Withdrawal

Withdrawal from the University

A withdrawal separates the student from the University. A student may complete a Withdrawal request available on the Registrar's SharePoint site prior to the beginning of the semester or during a currently enrolled semester.

Student-Initiated
The student must submit their intention to withdraw in writing. The student has the option to inquire about a withdrawal or withdrawal with no inquiry. The official withdrawal date is determined using the date the student notifies the University of their intention to withdraw, or the last date of course attendance, whichever is later.

The student who registers for a class but stops attending is not considered withdrawn. When a failing grade is issued, the last date of course attendance is used for financial aid calculations.

University Initiated
A student not enrolling in a course within a full semester, or by the second session within a semester, will be administratively withdrawn from the university as of the last date of enrollment.

A student who enrolls in credit but is administratively withdrawn will be withdrawn using the last date of course attendance.

Readmission

See, Progression: Academic Standing.

Admissions

Undergraduate - Residential Programs

All students seeking admission to Norwich University are highly encouraged to contact the Admission Office. Those students and families are encouraged to visit our campus to get a better feel of the university and the opportunities offered. **Day visits** can be scheduled during the week, Monday-Friday. Visit the **Admissions** website for additional details.

Application Preferred Deadline

- Fall Enrollment: February 1
- Spring Enrollment: November 15

Deposit Deadline

- Fall Enrollment: May 1
- Spring Enrollment: December 1

Undergraduate - Online Programs

The academic programs offered online enroll students each part of term (6 times per year). Prospective students are encouraged to learn more at https://online.norwich.edu/online/admissions/undergraduate, email: **learn@norwich.edu**, or call 1-888-409-1480.

Graduate - Residential Programs

A student who has completed an undergraduate degree is eligible to apply to a graduate program. Each program has its own admission requirements, please visit the residential programs **Graduate Admission** website.

Graduate - Online Programs

A student who has completed an undergraduate degree is eligible to apply to an online graduate program. Each program has its own admission requirements, please visit the online programs https://online.norwich.edu/online/admissions/graduate website.

Certificate Admission

Each program has its own admission requirements, please visit the residential programs https://online.norwich.edu/online/admissions/professional-and-certificate website.

Academic Advising

Academic advising at Norwich University enables students to become independent in their efforts to maximize academic and personal success. The purpose of academic advising is to foster student-centered partnerships with advisors to manage and develop sound and satisfying educational plans, encourage and support personal growth, and explore career and life-long opportunities. Open and candid communication between both members of the advising team will enhance the student's opportunity for academic success.

Advisee Responsibilities

- formulating an academic plan
- developing class schedules each semester
- communicating health and personal issues that may affect academic performance
- responding to advisor requests
- reviewing their degree evaluation
- understanding degree requirements

Advisor Responsibilities

- facilitating academic transition to Norwich
- formulating an academic plan that meets graduation requirements
- reviewing class schedules each semester
- offering guidance regarding academic progress
- assisting with any necessary petitions and forms
- referring students to appropriate university services

Athletics

Athletic Director, Ed Hockenbury

Vision
The Department of Athletics' vision is to create and support an environment where student-athletes, both in our Corps of Cadets and Civilian lifestyle, can achieve athletic success at the University, Regional and National levels while maintaining a high degree of academic achievement. It is also our goal to nurture loyalty among our graduates through their experiences in athletics.

Mission
The Department of Athletics' mission is to provide well-rounded and competitive athletic programs as integral parts of the educational process of the University. We offer equal opportunities for male and female student-athletes to participate in a wide variety of intercollegiate sports programs and adhere to the NCAA Division III rules and philosophy. We monitor the academic progress of our student-athletes and support them in their quest to achieve academic success at the University. We provide services and activities to promote the positive health and well-being of all our student-athletes and administer our athletic programs in a way that contributes to the personal development of our student-athletes through the whole-person concept by fostering the growth of fair play and amateur competition, sportsmanship, leadership, self-discipline, personal integrity, and social responsibility.

Facilities
The Athletic facilities at Norwich are among the very best in the Northeast. Andrews Hall, the Health, Physical Education, and Sports Center, houses a varsity athletics weight room, classrooms, training, and physical therapy rooms, locker rooms, and a 1200-seat basketball arena. The Jacob Shapiro Field House contains a 200-meter, four-lane track; four tennis courts; and a climbing wall. Plumley Armory houses Goodyear Swimming Pool, weight and fitness rooms, a wrestling room, an indoor track, and four basketball courts. Kreitzberg Arena, home to the men's and women's ice hockey teams, is a state-of-the-art arena that seats 1410 and can accommodate 5000 spectators for multipurpose events. Sabine Field, an artificial turf field with lights and a 3-lane recreational track, is used for football, soccer, and lacrosse. The Dog River Rugby pitch, Garrity Baseball Field, Howard Field, a softball field, and several practice fields for athletics and intramural sports complete our athletic facilities.

Varsity Sports
The University sponsors 22 varsity sports, 12 for men, 9 for women, and one mixed sport. All of the varsity sports teams, with the exception of men's rugby, compete at the NCAA Division III level and are affiliated with one of seven athletic conferences. Norwich is a member of the NCAA, New England Hockey Conference, Great Northeast Athletic Conference, the New England Women's and Men's Athletic Conference for football, the New England Wrestling Conference, the Rugby Northeast Conference for men, and the National Intercollegiate Rugby Association for women. In recent years, Norwich teams have been regularly found in the national rankings, have won conference titles, and won national championships in men's and women's ice hockey, and women's rugby. Sports that are sponsored by Norwich are:

MEN'S SPORTS	**WOMEN'S SPORTS**	
Cross Country	Cross Country	
Basketball	Basketball	
Baseball	Softball	
Football		
Golf		
Ice Hockey	Ice Hockey	
Lacrosse	Lacrosse	
Tennis		
Rugby	Rugby	
Soccer	Soccer	
Swimming & Diving	Swimming & Diving	
Wrestling	Volleyball	
MIXED SPORTS		
Rifle		

Career & Internship

Career and Internship

The Center for Career Readiness (CCR) serves our current residential and online undergraduate students both during their time at NU and nine months post-graduation with individual counseling and online resources through our career management platform, Handshake. Norwich alumni undergraduate and graduate alumni and current CGCS students have access to our online resources only.

Students can access, [norwich.joinhandshake.com] Handshake, with your student ID “A” number or other code listed in the instructions. If you are having trouble accessing a resource, please call our office at 802-485-2125 or email us at careers@norwich.edu.

In support of our mission to educate and counsel our clients to make informed career decisions, we offer a broad range of programs and services, including:

- Career, major, and graduate school exploration and planning
- Resume and cover letter preparation
- Internship and job search assistance
- Networking etiquette
- Interview preparation
- Job offer negotiation
- Personal branding
- Recruitment events and career fairs
- Career-related programs and sessions

Visit the CCR and let us help you develop your career plan. Contact us at 802-485-2125 or email careers@norwich.edu. We are located in 230 WCC and are open M-F, 8-4:30 pm.

Civil Rights

The Office of Compliance will implement and monitor programs that promote compliance with university policies and federal and state regulations, including but not limited to Titles VI and VII of the Civil Rights Act; Title IX; the Americans with Disabilities Act as Amended (ADAA); the Rehabilitation Act; the Clery Act; the Age Discrimination in Employment Act (ADEA); the Violence Against Women Act (VAWA); and other state and federal civil rights regulations and guidelines. The office will also serve as the university's Title II/Section 504 coordinator.

Mission Statement

The Civil Rights and Title IX Office's mission at Norwich University is to create a campus climate of acceptance, equity, and respect. Our office will strive to achieve this mission through out education and prevention efforts that include raising awareness of prohibited conduct (discrimination and harassment), and reporting resolution options. Any form of hate, discrimination, or harassment against anyone based on but not limited to; age, disability, national origin, pregnancy, race/color, religion, sex (including sexual orientation/gender identity/gender expression) is strictly prohibited and not allowed at Norwich University. Anyone that reports prohibited conduct will promptly receive supportive measures upon request and be made aware of your resources and resolution options. All resolutions will be conducted fairly and equitably.

Information Technology

Technology System Offerings at Norwich University

Norwich University (NU) provides a robust and secure technology infrastructure designed to support students and faculty. All students and faculty are provisioned with university-managed email accounts and cloud-based storage solutions to facilitate secure communication and collaboration. The university offers a modern learning management system (LMS) for course delivery and virtual meeting platforms for synchronous and asynchronous interactions. Students and faculty have access to specialized software applications using a variety of methods. Additionally, NU ensures high cybersecurity standards by enforcing multi-factor authentication (MFA), regular security training, and continuous system monitoring to safeguard sensitive data.

Public student computing labs are located in Partridge Hall, Cabot Hall, Kreitzberg Library, and Schneider Hall. The student computer labs are hosted in the Microsoft Azure cloud and are accessible by thin clients. The virtual labs are configured with common software and program-specific applications are also available.

Technology Support Staffing

The Information Technology Services (ITS) department provides comprehensive technology support to ensure seamless access to academic and administrative resources. The ITS Service Desk offers 8x5 support with on-call support provided after business hours and on the weekends until 10pm. ITS professional staff assists with technical issues, account management, and troubleshooting. Dedicated instructional technology specialists support faculty with integrating educational technology into their curriculum, including the LMS, video conferencing tools, and simulation software. Additionally, specialized IT staff oversee system administration, cybersecurity, and compliance, ensuring a secure and stable user environment.

Library, Archives, Museum

The library, archives, and museum (LAM) support the university's academic, research, lifelong learning, and community outreach goals. The LAM facilitates access to information resources and provides a wealth of scholarly opportunities. The LAM is a showcase for the university and its people and seeks to preserve the university's unique cultural heritage materials, serving as the permanent repository for the university and its community's history.

Library

The Kreitzberg Library is a full-service academic library. The Kreitzberg Library building, named for principal donors Barbara and Fred Kreitzberg ('57), offers six comfortable and attractive floors for collections, research, and study. There are spaces for individual and group study, the Todd Multipurpose Room, computer labs with access to the Norwich University network, two library instruction rooms, wireless internet throughout the building, photocopiers, scanners, and a media-viewing room.

The library collections include print books, e-books, magazines, e-journals, DVDs, streaming videos, and much more. The library is also a selective depository for federal government publications. Professional librarians and support staff offer the full range of academic library services, including reference service, interlibrary loan, and individual and group library instruction. The Kreitzberg Library's catalog, databases, and online journals are accessible both on- and off-campus, providing easy access for students in their dormitories or across the world. The library is open seven days a week during the academic fall and spring semesters, and librarians are available in person or via email every day.

We serve all Norwich students and faculty, whether online or on-campus. Our goal is to make the research process as easy as possible.

We strive to offer as much digital and electronic content as possible; the library currently licenses over 140 research databases, digitized primary source collections, and publisher platforms, providing access to more than 93,000 full-text e-journals, 973,000 e-books, and 39,000 streaming video titles.

We support the use of open access resources and curate a selection of open access resources relevant to the University's academic endeavors. The library supports Lever Press, an open access academic publisher, to create equitable open access publishing opportunities for our faculty and student authors.

We enable distance-students to do professional and scholarly research without leaving home by:

- Providing journal articles not available online and print books from our collection through material request services.
- Having a dedicated team of librarians available to help seven days a week via email and throughout the week via chat and phone.
- Collaborating with the College of Graduate and Continuing Studies to ensure equity of access to academic resources for NU students worldwide.

Archives

Norwich University Archives and Special Collections on the 5th floor of the Kreitzberg Library is the official repository for permanent University records of all formats. We collect, preserve, and provide access to over 580 unique collections documenting the history of Norwich and the accomplishments of its alumni, faculty, staff, and students. As Special Collections, we also manage a collection of over 6,000 rare and special books, primarily relating to military history.

Professional archivists are available to answer questions about archival research and Norwich University history as well as to collaborate with students and faculty interested in using our collections to enrich classes, student life, and learning. Although our primary focus is on the history of the University, our collections can also be used to support subject areas such as English, history, and political science, and to explore the history of disciplines like mathematics, engineering, and the health sciences.

Access diverse primary sources and other unique collection materials with the support of Archive's staff in the welcoming and secure space of our reading room. Additionally, more than 15,000 letters, diaries, photographs, publications, and other individual items from our collections can be fully accessed online. All are welcome to Explore Our Collections to begin discovering the University's born-digital and digitized heritage.

Museum

The Sullivan Museum and History Center, a 16,000-square-foot modern facility, is dedicated to telling Norwich University's story by carefully preserving the university's rich history and growing collection of over 20,000 objects. As a teaching museum, classes from many disciplines, including history, art, English, engineering, and interdisciplinary courses, have the opportunity for hands-on learning with collection objects and curator-guided access to the storage vault. A growing number of objects are available online for research anywhere in the world through the collections management database.

Rotating exhibits at the museum have included a series on the Civil War, anniversary exhibitions for World War I and II, Norwich explorers and innovators, a cross-disciplinary exhibit for edged weapons and firearms, art exhibits featuring works by Norwich University professors and alumni. Permanent exhibits present the founding of Norwich University, the history of Norwich alumni's involvement in major wars, and more.

The museum offers educational programming throughout the academic year, including in-person and virtual Lunch and Learns, special evening events, and gallery talks or tours.

Explore the museum's website for more information!

Registrar

The Office of the Registrar supports students, faculty, advisors and academic affairs. Questions pertaining to policy, curricular requirements, academic record, enrollment, and degrees may be directed to office staff. Information for current students, faculty and staff is located on the Registrar's Office SharePoint site and requires active Norwich credentials. Information that pertains to both current and past students is on the Registrar's website. Inquiries may be emailed to the respective area in residential programs - registrar@norwich.edu, online programs - registrargad@norwich.edu, transfer credit - transfercredit@norwich.edu, and DegreeWorks degree audit - degreeworkshelp@norwich.edu.

The Office of the Registrar is Responsible for, but not limited to:

- Supplying the estimated graduation date
- Enrollment verification or written release of student information
- Curricula declaration recording
- Transfer credit or prior learning
- Class schedule Release
- Degree conferral
- Inactivating student accounts
- Enrollment reports to the National Student Loan Data System (NSLDS)
- Academic record retention
- Registration records, research
- Academic record requests (transcript, credential)
- Process academic petitions

Veterans Benefits

To facilitate the participation of veteran students and in accordance with the Veterans Benefits and Transition Act of 2018, title 38 U.S. C. sec 3579(e), Norwich University enacts the following policy:

Norwich University will permit any ***covered individual**** to attend or participate in the course of education during the period beginning on the date on which the individual provides to the Norwich University School Certifying Official a certificate of eligibility of entitlement to educational assistance under chapter 31 or 33 (a "certificate of eligibility" can also include a "Statement of Benefits" obtained from the Department of Veterans Affairs (VA) website https://www.va.gov/education/ or a VAF 28-1905 form for chapter 31 authorization purposes) and ending on the earlier of the following dates:

1. The date on which payment from VA is made to the institution.
2. Ninety days after the date the institution certified tuition and fees following the receipt of the certificate of eligibility.

Norwich University will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries, or other institutional facilities, or the requirement that a covered individual borrows additional funds, on any covered individual because of the individual's inability to meet his or financial obligations to the institution due to the delayed disbursement funding from VA under chapter 31 or 33.

In addition, a covered individual must:

1. Submit a certificate of eligibility for entitlement to educational assistance no later than the first day of a course of education.
2. Submit written request (see School Certifying Official for link to form) for use of entitlement and certification of enrollment by the first day of each term in which entitlement will be used.
3. Pay any fee or payment not covered by the Student's VA benefit disbursement.

Designated staff are available to assist students planning to use VA benefits or Military Tuition Assistance to fund all or a portion of their online or residential program. The staff support inquiries related to military and veteran educational funding that may be used to fund their degree. The dedicated staff serves as our local experts for the Department of Defense's Tuition Assistance voluntary education programming as well as the Department of Veteran Affairs' GI Bill® offerings. Additionally, they serve as VA School Certifying Officials and may assist with information related to applying for VA education benefits, enrollment certifications, academic progress tracking and reporting, grade and graduation reporting, and institutional financial clearance procedures.

Students eligible or trying to determine eligibility for the GI Bill® should reach out to the VA with specific questions related to their eligibility for, and use of, benefits.

Students eligible or trying to determine eligibility for DoD's Tuition Assistance benefits are asked to consult with their branch's Education Services Officer/Counselor prior to enrollment.

Online Programs contact, Shaun McCaughey, **smccaugh@norwich.edu**, 802-485-3305.
Residential Programs contact, Nicole Warner, nwarner@norwich.edu, (802) 485-2355.

* Covered Individual is any individual who is entitled to educational assistance under chapter 31, Veteran Readiness and Employment, or chapter 33, Post-9/11 GI Bill® benefits.

GI Bill® is a Registered Trademark of the U.S. Department of Veteran Affairs (VA). More information about education benefits offered by the VA is available at the U.S. government website www.benefits.va.gov/gibill/

Online Programs Support Services

In addition to University Support Services, there are program-specific services available to students enrolled in an online program.

Orientation for Online Programs

Online learning can be overwhelming, especially when beginning your studies. Staff welcome and guide students through accessing Norwich resources, including school email and online classrooms. Onboarding and training guides provide practice in navigating the Learning Management System to access assignments, submit discussions, and how to contact an instructor. Resource guides are available throughout the program and are consistently updated with the most current University policies, technology upgrades, and important contact information.

Professional Student Support and Advising

Student Support Advisors (SSA) are a resource throughout the student experience being the primary point of contact for student registrations, degree planning, classroom support, transfer credit, and general information; such as the facilitation of conversations regarding the use of military benefits, financial aid, or paying bills. The SSA is here to help with all the administrative pieces so that students can focus on being a student! Student Support Advisors are available for appointment by phone, email, or virtual meeting.

Tutoring Support

Online undergraduate students have no-cost access to tutoring support through Tutor.com. Tutor.com offers professional tutoring in over 250 subject areas.

Math Support

Norwich University requires an ALEKS Placement, Preparation, and Learning (ALEKS PPL) Assessment for undergraduate students, to determine readiness for mathematics courses. ALEKS PPL is a web-based program that uses artificial intelligence to map a student's strengths and weaknesses. After the Placement Assessment, an individualized Prep and Learning Module is available for students to refresh their knowledge on forgotten topics. Students then have the opportunity to reassess and improve their placement. Norwich University encourages each student to spend time in the Prep and Learning Module, even if the desired score is achieved, because time spent in ALEKS will ultimately lead to better preparation and improved grades.

Writing Support

Students in an online undergraduate program have no-cost access to online writing tools and services including the full version of Grammarly and writing tutoring through Tutor.com.

Graduate Writing Center – The Writing Center is open to all registered online graduate program students. The Writing Center, operated within the online learning management system, provides students with a curated list of tips, links, videos, and other information to support students. The focal point of the Writing Center is the network of alumni volunteers who work with current students one-on-one in a mentor-type fashion through the Writing Fellow network. Writing Fellows work with students at the student's level with the background knowledge gained from completing a program at Norwich themselves. The feedback in these relationships improves student performance and builds lasting bonds between current students and alumni.

Center for Academic Success & Achievement

The **Center for Academic Success and Achievement** (CASA) offers students the opportunity to connect with professional and peer educators who assist with achieving academic success. The outlined services are available at no additional cost to the student.

CASA works with students who want to improve their study, time management, organizational, and learning skills. CASA's staff also offers comprehensive individualized and group tutoring across the curriculum. We provide tutoring for all math courses, as well as most lab science, engineering, and computer science courses. We also provide tutoring in liberal arts areas such as modern languages, criminal justice and history, research projects, and discipline-specific study skills.

The Center's Academic Success Coaches offer support to incoming students to aid with their transition to Norwich, develop their self-leadership skills, how to locate campus involvement opportunities, and serve as their "go-to" person to address questions about academics, campus life, and administrative matters.

In addition, CASA supports Multi-Lingual students for whom English is a second language; students with disability who choose to use Student Accessibility Resources, such as accommodations or assistive technology; and, students with academic difficulty looking to get back on track with their studies.

For more information about CASA services, please contact, casa@norwich.edu, phone 802-485-2130, or in person on the 4th floor of the Kreitzberg Library.

Center for Writing

The Center for Writing offers in-depth, individual support across the writing contexts students engage with during their time at Norwich.

The Center for Writing helps students at all stages of the writing process, such as brainstorming ideas, outlining paragraphs, developing organization, applying revisions, and editing citations. Any type of writing, whether it be for classes, personal essays, scholarships, or cover letters for grad school, is welcomed in the Center.

To assist students, the Center for Writing employs peer writing coaches from a diverse range of disciplines, majors, and minors. These consultants work one-on-one with student writers through in-person, virtual, or asynchronous sessions. The Center also hosts in-class workshops and university-wide events to further develop the culture of writing at Norwich.

In addition, the Center for Writing strives to help develop long-term writing skills, transcending a singular assignment. Coaches do this through discussions via explaining the whys of writing, tips for success, and contextualizing advice so it applies outside the project.

For more information on the Center for Writing and its services, please contact **writingctr@norwich.edu** or visit us in person in the second-floor reading room of the Kreitzberg Library.

Chaplain

Norwich is non-sectarian. However, believing that acquisition of and/or affirmation of one's own personal spiritual convictions is an essential part of each individual's character development and education, the University provides religious services in the Eugene L. White Memorial White Chapel throughout the year.

Two Roman Catholic masses and at least one Non-denominational Protestant Worship Service are conducted weekly. A part-time Roman Catholic Priest and a full-time Non-Denominational Protestant Chaplain serve the campus. An Islamic prayer room is available in the basement of White Chapel, and Jewish students avail themselves of the local synagogues in Montpelier and Stowe.

Local houses of worship for different faiths and denominations, including addresses, phone numbers, and identification of spiritual leaders, can be found in a pamphlet located in the literature rack immediately inside the entrance to the Chapel sanctuary. Many religious groups offer free transportation for students to attend services. After the initial week of training, recruits/rooks may leave campus to attend such religious services.

Further information can be obtained by contacting the Chaplain's Office:

- Chaplain's Office Telephone: 802.485.2128
- Chaplain's Cell Phone 802.272.0585
- Email: **wwick@norwich.edu**

Clubs (Academic & Special Interest)

The Norwich residential campus offers many Academic (AC), Special Interests (SI), and Club Sports (CS) activities for enrolled students.

Academic Clubs (AC)
A variety of academically related clubs, societies, and organizations are available for Norwich students. This enables students with similar interests to enjoy and collaborate on academic subjects and take part in professional activities.

Special Interest Clubs (SI)
The list of sanctioned clubs at Norwich is driven by student interest. Some groups, like the Christian Fellowship and Ballroom Dance Club, have been established for quite some time and are enthusiastically supported by the faculty, staff, and student body. Other clubs may be less traditional, and are formed to explore the special interests of a small group of students. To learn how to create a club--and receive funding from the University--contact Student Activities at studentclubs@norwich.edu.

Club Sports Teams (SI)
Sports teams with the opportunity to compete against other colleges and universities in league and tournament contests on campus and at other institutions.

Airsoft Division (SI)
The intent of NUAD is to bring students of all grades and skills together and take part in local airsoft scenarios, games, and team training that take place on campus. All that we ask is that participants be prepared to learn. There is no need for prior knowledge or experience; we will teach you the tools for success.

Arnold Air Society (SI)
An Air Force ROTC based society that focuses on military professionalism, academic success, and civic engagement.

NU Alliance (SI)
The NU Alliance is a club that is dedicated to serving students of all orientations and lifestyles and specifically catering towards the needs and well-being of Norwich University's LGBTQ individuals and their allies. The meetings of the club are focused on providing a safe and encouraging environment for students to discuss and learn about LGBTQ issues and focus on the role of LGBTQ students and their allies in creating a better campus climate for diversity. Meetings are open, fun, and everyone is welcome.

Alpha Chi (all disciplines) (AC)
This is the national college honor society for all academic disciplines.

Alpha Nu Omega (AC)
This is the local Norwich chapter of Alpha Phi Sigma National Criminal Justice Honor Society. Official national web site: **www.alphaphisigma.org**.

American Chemical Society Student Chapter (ACS) (AC)
The mission of the ACS shall be to afford an opportunity for students of chemistry, biochemistry and allied disciplines to become better acquainted, to secure the intellectual stimulation that arises from professional association, to obtain experience in preparing and presenting technical material before chemical audiences, to foster a professional spirit among the members, to instill a professional pride in the chemical sciences, and to foster an awareness of the responsibilities and challenges of the modern chemist. Official ACS web site: **www.acs.org**.

American Institute of Architecture Students (AIAS) (AC)
A national student organization that promotes excellence in architecture, education, training, and practice; fosters appreciation of architecture and related disciplines; and organizes architecture students and combines their efforts to advance the science of architecture. This is a club for the architecture students of Norwich University. NU AIAS strives to inspire young designers, encourage networking, and display opportunities in the field of architecture. To do this, the students travel to architectural conferences, host lecture and film series, and participate in design charettes. Official AIAS website: **www.aias.org**.

American Society of Civil Engineers (ASCE) (AC)
The aim of this chapter is to afford the civil engineering student association with others who share the interest in civil engineering profession, and thus prepare for entry into the profession and the national society. The objective of the Norwich University American Society of Civil Engineers (NU ASCE) Student Chapter is to provide hands-on engineering experience to civil and environmental engineering and construction engineering management students. The club contributes to Norwich University by allowing students to gain engineering experience outside of the classroom. Students who have participated in NU ASCE will be more knowledgeable than their peers after graduation. The club competes in several annual competitions, representing Norwich University on a regional and national level. The club also promotes the NU civil engineering department by hosting a High School Popsicle Stick Bridge Competition. This competition allows high school students to design, build, and test a model bridge while interacting with students in Norwich's civil engineering department. Official ASCE web site: **www.asce.org**.

American Society of Mechanical Engineers (ASME) (AC)
The Norwich University student chapter of the American Society of Mechanical Engineers (ASME) is an organization that seeks to promote and explore opportunities in engineering. ASME offers students, faculty, alumni, and community members the ability to interact, network with engineering professionals, and provide civil service to the surrounding area. ASME combines scholastic principles with fundamental real-world applications to enhance engineering knowledge and awareness. Students with a strong interest in mechanical engineering gain such benefits as a subscription to cutting-edge technology information in ME Magazine, scholarship opportunities, mentoring within the profession, free conference attendance, etc. Official web site: **www.asme.org**.

Anime Society (SI)
This club was founded to foster the interest of anime among Norwich students. The Anime Society participates in conventions throughout the northeast.

Association for Computing Machinery (ACM) (AC)
ACM members do their best to make Norwich University a better place to study computers and related technology. To promote exploration of the world of computer science and engineering, and the creation and sharing of knowledge with one another and the larger ACM community, the Club regularly hosts events such as LAN parties and guest presentations by industry leaders and faculty.

Ballroom Dance Club (SI)
Our goal with the Norwich Ballroom Dance Club is to present students with the opportunity to learn a valuable skill for their future plans while still having fun. We want to extend the opportunities beyond just learning and practicing by providing experience outside of our campus meeting place through ballroom dance competitions. The Ballroom Club allows people to dance with a variety of partners, of which many will become lifelong friends; it is a way for students in different courses of study to meet new people who share a similar interest. Ballroom dancing is also a beneficial skill to learn for the future, whether our members are joining the armed forces or entering the business career field upon graduation.

Beta Beta Beta (BBB) (AC)
An honor and professional society affiliated with the American Association of the Advancement of Science, for all students interested in biological sciences. Activities include sponsoring speakers, and attending conferences, field trips, and social activities. Official BBB web site: **www.tri-beta.org**.

Chi Epsilon (AC)
This is a national honorary civil engineering fraternity.

Chinese Cultural and Language Club (SI)
NU Chinese Club is an organization that focuses on Asian and primarily Chinese culture, customs, and language. The members of the Club will learn certain Chinese values and manners that will greatly develop them as global citizens and aid them in case of studying abroad, as well as go through hand-on applications of culture, such as calligraphy, Chinese games, music, movies, and more. The NU Chinese Club also takes an active part in and helps to sponsor University-wide events such as the Moon Festival and Chinese New Year celebration. This year, for active members, the Club is also hoping to sponsor a cultural trip for its members to experience Chinese culture and influence in Montreal, Canada.

Club Golf Team (CS)
The club golf team hires the Northfield Country Club PGA Pro, and competes in a fall season against other colleges and universities. Our top six golfers can compete in each match during our Fall season. The main goal of the team is to have fun and continue to develop Norwich Golf.

Club Men's ACHA Ice Hockey Team (CS)
The Norwich University ACHA (Club) Hockey team is a Division 1 member of the American Collegiate Hockey Association and North East Collegiate Hockey Association. The team competes with other ACHA and NECHA sanctioned teams and prep schools throughout New England and Eastern New York. The team competes for a NECHA title as well as a spot into the ACHA regional and national tournaments. The team holds tryouts every October and anyone interested is encouraged to contact the club.

Club Women's ACHA Ice Hockey Team (CS)
The purpose of the Women's Club Ice Hockey Team is to establish a team to play a competitive schedule of games against other club hockey teams in the IWCHL. The team will also practice multiple times a week at Kreitzberg Arena. The team holds tryouts each year and carries a roster of 25 players.

Consulting Club (SI)
The Norwich Consulting Club is a student-run organization that intends to provide information, education, and practice for students interested in consulting. A career in consulting can be very rewarding due to the inherent leadership development, diverse learning opportunities, career development, and compensation. Our goal is to provide information to students about the possibilities that exist and how to successfully pursue a career in consulting. This will be done by providing members with general information, studying actual consulting frameworks, and practicing real case studies.

Club Track Team (CS)
The Norwich University Club Track Team was founded many years ago and was revived in 2012. The events for the club range from running the 50m dash to the 5k race. Also, the only field event as of now is the shot-put (men's and women's). The Track Team is open to any NU students interested and there are no qualification times or distances. We meet three times a week for practice and have several planned races. Currently, there are roughly 50 students who are members of NUTF; the NUTF has the goal of becoming a varsity sport for the University. "From many events, one team".

Ultimate Frisbee (SI)
The purpose of the Club Ultimate Frisbee Team is to provide students who are interested in playing, or learning to play, Ultimate Frisbee a place to do so. Activities include contests at events and tournaments at other colleges and universities. The team also provides students an outlet to get to know new members of the Norwich Community as well as to hopefully branch out to other schools in the area as well. Ultimate is a noncontact, self-refereed sport and therefore helps with physical health but also helps to build character. Because of its 'Spirit of the Game' rules, players are taught negotiation, leadership, and communication skills. But most importantly, it is about having fun in a safe environment.

Norwich Shooting Association (NSA) (SI)
The Club Shooting Team is comprised of students from all shooting disciplines and abilities, from those who have never shot a firearm before to those who can compete at the highest levels in their chosen events. The team currently has a wide variety of firearms and is always working to find new and different ways to compete. The team shoots at a fifty-foot indoor range located 5 miles from the University.

Norwich University Construction Engineering Management (NUCEM) (SI)
The Norwich University Construction Engineering Club aims to further the knowledge, experience, and professional pursuits of every member at Norwich University. Hands-on experience will be promoted for all members through field trips, volunteer projects and internships. The Construction Engineering Club will be open to any and all students regardless of prior experience or skill level. The Club strongly encourages new members, especially those willing to learn about and eventually go into the field of Construction Engineering Management. But most importantly, it is about having fun in a safe environment. Club Membership is open to all current Norwich Students.

Criminal Justice Student Association (CJSA) (AC)
Founded in 1986, the Criminal Justice Student Association was developed as an educational and social organization for all criminal justice majors. Club members share a genuine interest in justice studies and federal law enforcement, encompassing the pursuit of knowledge and career opportunities beyond the classroom. The club consistently works on projects as a team, which allows it to consistently surpass its goals as a club. The CJSA is also involved in helping others through community outreach. The CJSA has organized educational trips to forensic labs, participated with the FBI in SWAT simulations, sponsored guest speakers, and organized an annual field trip to Washington, D.C. to meet with top federal law enforcement officials. The networks the organization develops with Norwich alumni provide students with special opportunities in their future criminal justice careers.

Delta Mu Delta (AC)
This is the national honor society in business administration. Official national web site: **www.deltamudelta.org**.

Digital Forensics Team (AC)
The Digital Forensics Team looks to gain knowledge on digital forensics, ethics, and technical skills through hands-on experience lectures, and guest speakers.

Education Club (AC)
A club tailored for education majors, but open to all current Norwich students, and has developed an annual service-learning trip to volunteer at an inner-city elementary school in New York during spring break.

Enlisted Club (SI)
This club's main goal is to help the enlisted personnel on campus out in the field as well as in the classroom.

Entrepreneurship Club (SI)
The Entrepreneurship Club's goal is to assemble students with multifarious educational backgrounds in a consultative environment through which business concepts are supported and launched. The club will support individuals and teams working on projects, and embrace the idea of continual education by providing students with access to diverse speakers and seminars spanning the spectrum of innovation and entrepreneurship. The club stresses that students should pursue projects outside normal course curriculum, and work with members to develop their projects in a collaborative setting.

Eta Kappa Nu (electrical and computer engineering) (AC)
This is the Electrical and Computer Engineering Honor Society. Official national web site: **www.hkn.org**.

Equestrian Club (SI)
The Equestrian Club is open to all current NU students that want to learn more about equine interests and activities. Members will have the opportunity to participate in club events and take lessons to learn how to ride or improve skills. The club is open to all levels of horsemanship and riding ability. Currently, the club takes lessons from East Hill Farm in Plainfield VT. Their wonderful, and knowledgeable staff teach both beginners and high-level riders mainly in the classical style of dressage but also do a bit of jumping. To learn more about the farm, trainers and owner visit the link **http://www.easthillfarm.org/**. The Equestrian Club also offers a competitive IHSA riding opportunity. We encourage beginners to advanced level riders. If you have an interest in competitive riding with a great group of students, the club IHSA Team is for you!

IHSA Equestrian Team (SI)
The IHSA Equestrian Team is a group of equestrians at Norwich University that like to pursue training in the Hunt Seat on the flat and over fences discipline. We compete yearly in the IHSA organization against other colleges and universities in our Zone 1 Region 2. We have weekly riding lessons and a show season consisting of 6-7 shows in the fall and 1 in the spring. When you gain enough points in your division you will ride in Regionals and possibly Zones and Nationals based on your performance at the previous show, then your next season you will advance to a higher show level. There are 5 riding levels from walk, trot to Open.

Fishing Club (SI)
Norwich University Fishing Club is a club to introduce students to all types of fishing. This includes learning about different types of fishing and fishing skills.

French Club (AC)
This is a club for all students who are interested in pursuing further the language of French. All levels of knowledge of the language are accepted. The goal of this club is to enrich the Norwich student's knowledge of the French language and Francophone culture in a stimulating and supportive environment. The activities of the Club also help address Norwich's goal to internationalize the campus; offer diversity and opportunities to develop a more global perspective. The club encourages the participation of all students, faculty and staff of the Norwich University Community.

Golden Anchor Society (SI)
The Golden Anchor Society is a highly motivated Norwich University club driven to improve the academic, physical, mental, and moral development of its members, through physical training, team-building exercises, Naval information briefs, organization of Naval themed events, and club trips that directly relate to the expansion of naval motivation and knowledge. Members of the Golden Anchor Society club will expand naval knowledge through both the study of Navy and Marine Corps traditions, history, weapon systems, tactics, and study important people in their history through the presentation of their lives and actions that directly furthered the values and mission of both the Navy and Marine Corps. The Club motto Give it All, challenges its members throughout their time in the Golden Anchor society to live the motto in every aspect of their lives.

Grenadiers Jazz Ensemble (SI)
The Grenadiers is Norwich University's very own Jazz band. The band plays a variety of swing, blues, and more. The band also performs both on and off-campus. This includes major balls, dinners, concerts, etc. The Jazz Band is open to both Corps and Civilian students through audition.

Hillel (SI)
The Norwich University Hillel is a Jewish community on campus. It supports and encourages Jewish Life at Norwich.

Hip Hop Dance Club (SI)
This club provides a fun, learning environment for members to learn new hip hop routines, and explore different genres of dance. Focusing on the Hip Hop style, this club will look to remix different songs for the members to perform.

The Norwich Guidon (student newspaper) (SI)
The Norwich Guidon is the student newspaper of Norwich University, it is published twice monthly and has won numerous awards for excellence in its class. Reporters, editors, and managers for ***The Norwich Guidon*** are students at the University who work under the guidance of a Communications faculty advisor.

Institute of Electrical and Electronic Engineers (IEEE) (AC)
The purpose and scope of IEEE and the IEEE Computer Society at NU is to advance the theory, practice, and application of computer and information processing science and technology and the professional standing of its members. The IEEE Computer Society club at NU strives to fulfill these objectives through community service, networking opportunities, distinguished IEEE guest speakers, scholarship, access to technology and cross-disciplinary engagement. This club is open to all students and intends to offer fun, professionally enriching and educational opportunities to its members.

Intercultural Students Organization (ISO) (SI)
The Intercultural Students Organization aims to enrich the cultural experience of students at Norwich University by organizing events in which international students can interact with the American students and members of the community. The ISO also organizes activities to give students the opportunity of learning about different cultures, meeting new people, sharing experiences and bringing diversity to our campus.

Investment Club (SI)
Greetings from the Norwich University Investment Club! Are you interested in learning how the world of investment works? If so, then the Norwich University Investment Club is right for you. Our members are dedicated to passing their knowledge to others. With dedication, you will learn and can apply it to your future.

Jui-jitsu Club (SI)
This is a club that focuses on self-defense and an art that requires discipline and dedication. It is a great work out and will test your abilities and mental strength. It is safe and in a stress-free environment where everyone is equal with the same goal, to learn. If you feel up to the challenge and the work out then I will see you there and in the end, you will be stronger for it mentally and physically. We are here to learn and create a brotherhood where everyone is equal.

Latin Dance Cub (SI)
This club is for anyone who wants to learn how to dance Latin music (no need to know how to dance). Learning from salsa, bachata, to merengue and more. Not only will we be learning the dances, but the meaning behind the dance as well.

League of Legends (SI)
The Norwich University League of Legends Club is dedicated to bringing together students at Norwich in the League of Legends community. During meetings we will have custom games for students to play head-to-head as well as games for regular modes. The club also selects members to participate in the annual college tournament put on by riot for league of legends.

Maroon and Gold Key (SI)
These students assist in the recruitment and retention of students. The organization conducts tours of the campus for all guests, hosts overnight visits of prospective students, and assists at Open Houses and some off-campus recruitment events.

Model United Nations (SI)
The purpose of the Norwich University Model United Nations Club is to prepare and teach Norwich students about the function of the United Nations and other international organizations and issues by training and providing opportunities for Norwich students to participate in Model United Nations conferences and other international simulations across the country and around the world.

Navy Special Warfare (SI)
A club looking to get like-minded individuals interested in joining the Navy Special Warfare community together to pool knowledge of training and career paths within the community.

Northfield Experimental Radio Society (SI)
Armature Radio club is open to all students who are interested in amateur radio and emergency communications. Dedicated to getting students their amateur radio license and on the air

Neuroscience Journal and Outreach (SI)
This club will be modeled after a graduate student journal club. Meetings every other week will showcase student presentations on current publications in neuroscience journals. In addition, students will also have the opportunity to perform service activities with local elementary, middle, and high schools. Groups of students will travel and give lessons to all ages on the nervous system. The club will also expose students to professional organizations within the field of neuroscience, preparing students for graduate school and careers in neuroscience.

Orthodox Christian Fellowship (SI)
To support fellowship on campus, to experience and witness the Orthodox Christian Church through community life, prayer, service to others and study of the Faith (Acts 2:42). Furthermore, OCF will work to nurture and strengthen love for Jesus Christ and His Church in its fullness at this most critical juncture of human life and offer an opportunity for Orthodox Christian students and those interested in the Orthodox Christian Church to become more fully acquainted with and informed about their Orthodox heritage.

Paranormal Society (SI)
An organization of amateur paranormal researchers, interested in researching the history of legends, hauntings, and myths surrounding Norwich University and the state of Vermont.

Pre-Health Professions (SI)
Student members will congregate to discuss the pre-requisites and practice skills that will prepare them for their future health professions. It will be achieved through but not limited to field trips, lectures, and information sessions, etc.

Rock Climbing Club (SI)
Mountaineering Rock Climbing Club is for those who like the outdoors and want to learn a new skill. There are several trips run throughout the year to places all over New England, run by students and faculty alike.

Norwich Christian Fellowship (NCF) (SI)
Members of Norwich Christian Fellowship strive to create a place where students and faculty can praise and worship God in a non-denominational Christian atmosphere that encourages fellowship and dialogue. NCF answers questions of those seeking God, nurtures young Christians, supports mature Christians and trains world-changers to operate in the military and civilian sector.

Omicron Delta Epsilon (AC)
This is the national economics fraternity. Official national website: **https://www.omicrondeltaepsilon.org/**.

Paintball Club (SI)
The Norwich University Paintball club operates and plays on the campus paintball field as well as traveling to big games, scenarios and tournaments all over the North East. There truly is something for every style of play with our competitive speedball team competing in the NCPA, a pump team competing in the Gravity League and a well-known scenario team that travels to big games such as Castle Conquest, and The West Point Combat Classic.

Pegasus Players (SI)
The Pegasus Players is the resident theater company for Norwich University. It is composed of students, faculty, and community members. This club provides opportunities to act, design, build sets, and make costumes. Through their work in Pegasus, students have the chance to learn the basic skills of theater with the potential to earn academic credit.

Physical Education Club (AC)
The main purpose of the Physical Education Club is to educate our members on the importance of a healthy and active lifestyle by teaching lifelong sports and activities. Moreover, the club provides hands-on experience in the field of Physical Education and helps build one's resume through conferences and certifications. The club provides a positive learning environment for all its members.

Pi Gamma Mu (AC)
This is an honor society broadly concerned with the social sciences. Its primary objectives are to encourage the study of the social sciences among graduate and undergraduate students and faculty members throughout the world, and to recognize outstanding achievement. Official web site: **www.pigammamu.org/**.

Pi Sigma Alpha (AC)
This is the Political Science Honor Society. The objectives of this organization are to: stimulate productive scholarship and intelligent interest in the subject of government, politics, and policy; seek to promote a better understanding of government, politics, and policy among its members; promote worthwhile curricular and extracurricular activities related to political science; advance and diffuse knowledge and interest in political science; to organize and conduct seminars, conferences, research, discussion groups, and publications in the subject of political science. Official website: **https://pisigmaalpha.org/**.

Pipes and Drums Band (SI)
The Norwich University Pipe Band is dedicated to learning and performing Highland music to the best of its abilities. In particular, the band is looking for players of the bagpipes, snare, Scottish tenor, and bass drums. Experience is preferred, but not required. The band plays both locally and regionally. MU230 and MU200 are accompanying 1-credit classes that may be taken as humanities electives.

Political Science Club, *Politeia (AC)*
The Political Science Club is dedicated to promoting the interest of domestic and international politics to our student body. Our goal is to both educate and debate the issues pertaining to our nation. We want to inform our club members of the important decisions being faced in Congress. Most importantly as a senior military college it is our job to remain on top of the politics going on in Washington. As many of our students will go on to serve and be our nation's next leaders it is only appropriate that we understand what our nation is fighting for.

Pre-Law Society (AC)
The purpose of the ***Pre-Law Society*** is to advance the scholarly study of law and to facilitate the implementation of such study to benefit our society. It is the vision of the ***Pre-Law Society*** to offer assistance to students at Norwich University by helping them make informed decisions in selecting law as a career, the application process, determining a law school, and the practice law in any law-related profession.

Pre-Med Club (AC)
The Pre-Medical Club serves to educate and prepare Norwich University students who desire to enter medical, dental, or veterinary school after graduation. Some of the opportunities that club members will have are: preparing for graduate entrance exams, exploring career choices, medical professional shadowing opportunities, and networking with alumni. Meetings are typically Sundays at 7 pm.

Psi Chi (psychology) (AC)
This is an honor society and scholarship society for psychology. Official web site: **www.psichi.org/**.

Rotaract (SI)
A service-oriented club working in conjunction with the Center for Civic Engagement to raise funds for select projects throughout the year. Some of the larger events include the student leadership of the Penguin Plunge and working with Rotary and Interact to build a residential and vocational center in Pommerin, Tanzania.

Semper Fidelis Society (SI)
The Semper Fidelis Society's mission is to assist in the development of future leaders by promoting leadership through professional military education, physical, and mental excellence, community service, fundraising, and observance of the Marine Corps' lasting traditions. The Society will reinforce the Marine Corps' values of honor, courage, and commitment.

Semper Paratus Society (SI)
The Semper Paratus Society is built around the ideals of teaching, preserving, and perpetuating the lessons and lifestyle of a coastguardsman. We uphold the standards of the professional rescuer and strive to make greater strides in stature and professional etiquette. We aim to teach the average student the basics and traditions of a professional coastguardsman as well as develop an understanding of what the Coast Guard is as a branch of the Department of Homeland Security. We venture to educate those who join the Society on the Coast Guard missions, opportunities, and traditions so as to better understand the importance of the Coast Guard and its foundations.

Sigma Iota Rho (AC)
This is the honor society for international studies. Open to undergraduate and graduate international studies students. Official web site: **www.sigmaiotarho.org**.

Sigma Tau Delta (AC)
This is the national English honor society. Official national web site:**www.english.org/sigmatd/**.

Ski and Snowboard Club (SI)
The Norwich University Ski and Snowboard Club was founded in 2010 by a group of students dedicated to the sports of skiing and snowboarding. This group of individuals made it their goal to bring all Norwich University skiers and snowboarders together to cultivate a common interest. The club looks to create bonding, fundraisers, and events through this common interest. Visit us on Facebook **http://www.facebook.com/groups/301666149853792/**.

Soccer Club (SI)
The Norwich University Soccer Club is dedicated to allowing anyone to enjoy the sport of soccer. We provide a friendly but competitive environment for anyone that is interested in playing. We compete in local leagues in indoor and outdoor seasons, with the practice being optional. Come out and enjoy the music and the game.

Student Government Association (SGA) (SI)
The Norwich University Student Government Association is a group of students representing the entire student body and is responsible for voicing interests of the student body to the administration. The main goal of SGA is to promote the general welfare of all students and to foster positive improvements on campus.

Society of Physics Students (SI)
The Society of Physics students is aimed toward making a fun and useful community of peers who share a common interest in science. We are striving to make academics and physics more fun and inclusive across class years and lifestyles. Our main goal is to generate a safe and organized space for students to explore their interest in physics outside of the classroom.

Society of Women Engineers (SWE) (AC)
The Norwich chapter of the **Society of Women Engineers** (SWE) brings members together to forge friendships explore the professional world of engineering. While SWE is focused on issues of interest to women specializing in engineering and technical careers, it is not an inclusive group and is not limited to only female engineers. Events for this club include pumpkin carving, engineering day for the areas Girl Scouts, the He and Me Dance, and other team-building activities such as professional field trips, apple picking, and ice-cream socials.

Spanish Club (SI)
In the Spanish Club we will learn about Latin American and Spanish current events and culture, including food, music, language, and dances. The Club is open to all students and faculty.

Sports Medicine Society (AC)
A club for all students with a special interest in Sports Medicine or Athletic Training.

Student Nurses' Association (SNA) (AC)
Members participate in a number of University activities, organize American Red Cross blood drives, tutor underclassmen, and participate in fund-raisers for a spring dinner with professional speakers in various Nursing disciplines. Official National Student Nurses' Association web site: **www.nsna.org**.

Student Veteran's Council (SI)
The Norwich Student Veterans Council (SVC), the official local chapter of the national Student Veterans of America (SVA), is an organization of military and veteran students dedicated to living out our motto, "Camaraderie, Excellence, Service." SVC is a diverse advocacy and fellowship organization, and all military and veteran students in any status, including delayed entry enlistees, are welcome.

Tactical Society (NUTS) (SI)
The NU Tactical Society seeks to relieve the stress of the college environment by providing students with a creative outlet. The historic war games are designed in a realistic military format and allow for multiple players to test their tactical skills.

Tau Beta Pi (engineering) (AC)
Tau Beta Pi is the nation's second-oldest honor society. Unlike other engineering organizations, Tau Beta Pi is the only engineering society that includes all of the disciplines in the engineering profession. Students that are elected into TBP have brought honor to their Alma Mater through distinguished scholarship and exemplary character. There are collegiate chapters at 241 American colleges and universities, 32 alumni chapters, and an estimated 545,000 initiated members. At Norwich, distinguished engineering students who have demonstrated good character and a strong commitment to the engineering profession are welcomed into Tau Beta Pi. The group meets weekly to discuss upcoming events and plan activities that can help strengthen the David Crawford School of Engineering. Tau Beta Pi plays a crucial role in organizing events that include all of the engineering disciplines at Norwich University. Engineering Week is one of the best examples of the leadership role TBP takes in bringing together all of the engineering disciplines. Members of Tau Beta Pi Engineering Honor Society at Norwich University Strive to become leaders both in and out of the classroom. The society has a long history of producing leaders in the engineering profession, and at Norwich out members work very hard to continue this.

Triathlon Club (SI)
Norwich University Triathlon Club's main goal is to provide a unique training environment that enables members to be competitive in triathlons while maintaining a safe and fun atmosphere. Overall we support a healthy lifestyle while encouraging others to pursue their goals. The Club strongly encourages new members, especially those willing to learn about and eventually compete in triathlons.

Upsilon Pi Epsilon (AC)
UPE recognizes academic excellence at both the undergraduate and graduate levels in the Computing and Information Disciplines.

Venture Crew Club (SI)
Venturing is a continuation of the Boy Scout and Girl Scout Program that offers all Norwich students to continue their scouting careers. The crew focuses on activities such as camping, hiking, and other outdoor activities.

Water Polo Club (SI)
The Norwich University Water Polo Club main goal is to provide students the ability to train and compete in Water Polo games in the area as well as be an outlet to get to know members of the Norwich Community and branch out to other schools and meet other Water Polo athletes in the area. The Club strongly encourages new members, especially those willing to learn about and eventually compete in Water Polo games and tournaments. But most importantly, it is about having fun in a safe environment. Club Membership is open to all current Norwich Students.

WNUB (radio station) (SI)
WNUB is a non-commercial, educational FM radio station licensed by the Federal Communications Commission to the Trustees of Norwich University and broadcasts at a frequency of 88.3 MHz in stereo with a power of 285 watts. It is managed and operated by a student staff under the guidance of a Communications faculty advisor. Its broadcast studios and business office are located in the Communications Center. In addition to its popular music programming, WNUB broadcasts regular newscasts (using its AP radio news wire), public service announcements, special educational programming, and live Norwich sports. Nearly 100 students from all class years participate in WNUB, both as a Communications course requirement and as an extracurricular activity.

War Whoop (SI)
The Norwich University yearbook, ***War Whoop***, is produced by a voluntary student organization.

Corps of Cadets

For two centuries, Norwich University has prepared its graduates, America's leaders, for roles as "citizen soldiers."

When Captain Alden Partridge founded the university at Norwich, Vermont in 1819, he established the first private military college in the United States. Today, the U.S. Army officially credits Captain Partridge's "citizen soldier" concept as the forerunner of Reserve Officer Training Corps (ROTC).

The Norwich University Corps of Cadets is a leadership laboratory. The program transforms high school graduates into adaptive leaders of character for the nation through a Four Year Progressive Leadership Experience which prepares them to live honorable lives and assume the most challenging roles in the military, government, industry, and business. During the first year, through an intensive military model, cadets develop the basic skills of time management, organization, and attention to detail while building confidence, courage and mental toughness. During the second year they learn all the fundamental principles of leadership required to assume an actual leadership role during their third and fourth years. During the last two years, the cadets lead their own under the close supervision, coaching and mentorship of military professionals who provide essential feedback and counseling on their performance and leader development. All cadets are required to take four progressive semesters of ROTC in either Army, Naval or Air Force ROTC to maintain membership in the Corps. To be eligible to receive a Military College of Vermont (MCV) diploma at graduation, a Cadet must have:

- completed all Rook training required for recognition as a first year Cadet
- successfully complete, or receive credit for 4 progressive semesters (2 years) of ROTC courses and participated in the ROTC PT and leadership laboratory to the maximum allowed by the ROTC Unit
- lived on campus for 8 semesters (4 years), the last 6 semesters must be as a Cadet
- passed the Norwich Corps of Cadets Physical Fitness test each year or received an accommodation or waiver
- completed all disciplinary sanctions prior to Reading Day preceding the graduation term and be in good standing (not on disciplinary hold).

Cadets seeking a commission in the military are required to complete a third and fourth year of ROTC and meet all other requirements established by the commissioning service.

The ROTC programs exist to commission well-educated officers into the Army, Air Force, Navy, and Marine Corps in sufficient numbers to meet the requirements of these services. The general objectives of the programs are to provide understanding of the principles of military, aerospace, and naval science; to develop comprehension of associated professional knowledge; to build attitudes of integrity, honor, and individual responsibility; and to encourage appreciation of national security requirements. The Norwich Corps of Cadets supports and enhances the respective ROTC's mission and better prepares Cadets for service to the Nation.

ROTC Requirement

Corps students have priority for enrollment in ROTC courses. Civilian students who wish to enroll on a space-available basis may do so with instructor permission. Participation in ROTC physical training and military labs will be at the discretion of the applicable ROTC unit. To pursue a commission through ROTC at Norwich University, a student must be a member of the Corps, unless he or she meets the veteran exemption as delineated in the following paragraph.

Student veterans who have honorably and faithfully served our nation as a member of the Armed Forces of the United States, as evidenced by either the award of an honorable discharge certificate (DD214), or the completion of three years of honorable service in the active component, the reserve component (drilling member), or a combination of both as evidenced by a letter from the individual's commanding officer, and is no older than 25 as of 1 September of the year of matriculation, may apply for enrollment in the Norwich University ROTC program of their choice with the intent of pursuing a commission as a civilian student. The applicable ROTC Department Chair the Dean of College of National Services, and the Commandant of Cadets will review the applicant's file to ensure all eligibility criteria are met.

Cadets contracted for Commission
The Norwich University Board of Trustees has directed that all members of the Corps, who are contracted for commission, be required to take four years of ROTC courses; one course per semester. The ROTC courses must include each of the two courses offered at each of the four levels (100, 200, 300, 400). Branch of service transfers will be allowed (prerequisites permitting) during the first two years of the requirement.

Non-contracted Cadets
Non-contracted Cadets are required to complete four semesters of ROTC courses and participate in physical training and military lab to the extent allowed by the ROTC unit. The ROTC courses must be progressive. Students remain responsible for all established degree requirements.

Students transferring into the Corps are required to meet the ROTC requirement for membership in the Corps.

Requirements by Military Branch

Counseling and Wellness

The **Counseling and Wellness Center** (CWC) staff provides support for the mental health needs of the university population. Individual and group counseling for students is available in a confidential setting. In addition, thematic groups and psycho-educational workshops can be provided in response to specific needs. These services are conducted by a highly trained staff of licensed clinicians and supervised master's level interns. Counseling services are free to NU students.

The CWC also provides wellness programming, services, and outreach including yoga, mindfulness, alcohol and drug education, therapy dog visits, and light therapy. During the semester, the CWC will host depression and mental health screening opportunities, and host other wellness programming events to provide a broader understanding of relevant issues surrounding college mental health and wellness.

It is the CWC's primary purpose to provide holistic support to students as they pursue their academic and personal goals, enhancing the student experience at Norwich.

For more information contact the CWC via email cwc@norwich.edu, phone 802-485-2134, or drop by our office on the 4th floor of the Kreitzberg Library during regular business hours 8-4:30 pm Monday through Friday.

For updated event postings check out our Facebook and Instagram pages @norwichcwc, and look on the Corq app, and the NU calendar of events.

Dining

Some students call the place they eat a dining hall, some a mess hall--either way, it is a focal point on the campus. The dining hall is open continuously on weekdays from 6:45 a.m. to 7:30 p.m. Brunch from 9:30 a.m.-12:30 p.m. and dinner from 4:30 p.m.-6:30 p.m. are provided on most Saturdays and Sundays with breakfast, lunch and dinner provided on some select Saturdays.

- The residential dining plan for all rooks and freshmen provides 19 meals a week as well as snacks any time the dining hall is open.
- The Corps Freshmen (Rooks) and some of their leaders eat separately on the upper deck of the dining hall. All other students (sophomores, juniors, seniors, corps, civilian, and commuter students on a meal plan) eat together on the main floor.

Sophomores, juniors and seniors residing on campus may choose one of the following meal plan options:

- 19 meals per week as described above
- 15 meals per week and $100 per semester to use in The Mill, **Dunkin' Donuts**.
- 12 meals per week and $200 per semester to use in The Mill, Dunkin' Donuts.

"The Mill" snack bar offers a wide variety of food and beverages to eat in the Snack Bar or "to go". "The Mill" operates with extended hours during the academic year; hours are posted.

The full Dunkin Donuts menu is offered with extended hours during the academic year; hours are posted.

Honors Program

Director: Michael Thunberg.

The mission of the Honors Program is to support an enriched university experience for highly motivated students with demonstrated academic abilities and strong interests in research, service, and leadership.

The University Honors Program is a merit-based, highly selective academic track for outstanding undergraduates, comprising less than 5% of the graduating class. It provides a framework for an advanced education experience encompassing the following core elements:

- One-on-one faculty mentorship over the participant's tenure in the Honors Program
- Customized opportunities for enhanced academic growth
- Individualized hands-on research experience
- Learning community of like-minded motivated peers
- Prestigious Honors designation on the diploma and transcript upon graduation

The University Honors Program is designed with the understanding that most of our students have very tight curriculum maps and do not have many free electives. Students complete the following requirements in fulfillment of the University Honors Program:

- ***First-year Honors Seminar***. Faculty across the university engage in a competitive application process to teach this course. Topics rotate based on faculty expertise but all sections are interdisciplinary, academically challenging, and thought provoking. Honors students collaborate with colleagues across the university to critically tackle difficult topics and expand their perspectives.
- ***Contract Course***. Honors students start to take control of their research interests by collaborating with one of their course faculty. Together, Honors students and faculty develop an enrichment project for the course based on the student's interests.
- ***Honors Thesis Preparation Course***. The Honors thesis is the most substantial and rigorous academic requirement for an undergraduate. The Director of the Honors Program dedicates a course to preparing students to successfully complete the thesis. Students develop their research question in consultation with the Director and faculty mentor, read scholarly literature on the topic, and develop a method of study.
- ***Honors Thesis***. The Honors Thesis is the culmination of student research. Students work closely with their thesis committee to engage in a rigorous, original research project. Successful completion requires a public, oral defense and acceptance of the final thesis by the student's committee.
- ***Honors Portfolio.*** Under the supervision of the Honors Director, students will compile a portfolio chronicling and reflecting on their work in the Honors Program. This includes material developed for the first-year seminar, contract course, research projects, and University lecture series.

The Honors Program has a two-wave admission model.

- First wave. The top 15% of first-year applicants are invited to apply to the program. If they choose to pursue this opportunity, then the student must submit an Honors Program application that consists of two letters of recommendation from an educator familiar with the student's academic profile; a resume outlining the student's academic achievements, work experience, and service credentials; and, a response essay to a writing prompt. The Norwich University Honors Council considers the credentials of each applicant and makes acceptance decisions on a case-by-case basis.
- Second wave. Students completing their first semester at Norwich with a 3.2 GPA or higher and showing outstanding academic aptitude are invited to apply to the program. Nominations are also solicited from faculty teaching freshmen courses. Second wave students follow an application process that is similar to that of first wave applicants.

Housing

On-campus housing offers four residential housing areas which include the Upper Parade Ground, Crawford Hall, Dalrymple and South Halls.

The Upper Parade includes eight Corps of Cadet barracks located around the Upper Parade ground; where the fall and spring parades and ceremonies take place. Crawford Hall, a short walk from the Upper Parade ground houses additional members of the Corps of Cadets and Residential Civilian Students.

Dalrymple and South Halls house Residential Civilian students in single and double rooms. Currently, two professional staff members reside in both Halls and oversee all Residential Civilian students under the supervision of the Director of Residence Life & Civilian Housing. Each hall is additionally supervised by 10 trained upper-class student staff. Our residential communities offer a residential programming model, fitness centers, laundry and vending, community lounges, and study rooms.

Norwich currently has approximately 2100 residential beds on campus. All Corps of Cadets and Residential Civilian students currently have a 4-year on-campus living requirement. Those wishing for a waiver to reside off-campus may make a request through the Intent to Return process which takes place in the latter half of the Fall and Spring semesters.

Study Abroad and International Support

The International Center is responsible for partnering with a wide range of internal and external stakeholders to advance the comprehensive internationalization of the university through the alignment and integration of policies, programs, and initiatives designed to position the university as more globally oriented and internationally connected. The work of comprehensive internationalization takes place over a broad range of domains, including but not limited to the following:

- Education Abroad
- International Students
- International Scholars
- International Partnerships

Education (Study) Abroad

The International Center provides a wide range of programs and services related to the design, development, implementation, and evaluation of programs for students seeking, engaged in, or who have returned from overseas programs. Programs are offered at a variety of times throughout the year, at a variety of costs, and in a variety of disciplines and locations in order to suit the full spectrum of Norwich students. In addition to programs through external partners, the International Center also works with Norwich faculty to develop program offerings that are specifically designed with Norwich students in mind. There are also opportunities for Norwich students to participate as an exchange student through one of the many exchange agreements that the university maintains with institutions abroad.

To participate in an Education Abroad/Study Away program for credit toward an undergraduate degree, students must:

- Have a cumulative grade point average of 2.5 or higher at the time of application
- Demonstrate satisfactory academic progress as determined by the Registrar and Student Financial Planning
- Have no financial, disciplinary, or academic holds on their account
- Receive acceptance from a recognized Education Abroad program, International University or a domestic Study Away program
- Be approved for their chosen Education Abroad/Study Away program by their Academic Advisor and the NU International Center
- Visit the International Center or attend a scheduled Education Abroad Information Session presented by the International Center, for the most current application procedures
- ROTC contracted students must make specific arrangements with their ROTC Unit to complete their ROTC requirements to continue their contracted status.

A student who receives approval for Study Abroad/Study Away will be considered as an enrolled full-time Norwich student.

International Students

The International Center provides a wide range of programs and services related to the full life cycle of an international student, including but not limited to the issuance of initial immigration documents, pre-arrival outreach and communications, orientation and ongoing social and cultural programming, immigration advising, and general support services and programs to ensure academic success and retention. The International Center coordinates a comprehensive, multi-day orientation for new international students, helps students maintain their immigration status once they are in the US and at the university, offers a variety of programs and activities, and advises students on everything from adjusting to a new culture to applying for work authorization. The International Center also works closely with academic advisers and student services offices to ensure the success of international students.

International Scholars

The International Center facilitates the process of bringing international visiting scholars to the university to engage in joint teaching and/or research projects with the faculty. The university regards the presence of international visiting scholars as being of strategic importance to fostering international education and the internationalization of the institution.

International Partnerships

The International Center works closely with academic and administrative units throughout the university to develop and maintain a wide array of sustainable international partnerships designed to enhance the internationalization of teaching and learning at the university and to facilitate the discovery and sharing of knowledge between Norwich University and the world. These partnerships include, but are not limited to, faculty exchange agreements, student exchange agreements, joint research agreements, joint or dual degree programs, etc.

The International Center is also responsible for ensuring university-wide compliance with a wide range of federal regulations relating to the enrollment and/or employment of international students. Staff members in the International Center who work with international students must be certified by and registered with the US Department of Homeland Security and the US Department of State as Designated School Officials (DSO) and Responsible Officers (ROs).

Preprofessional Programs

Preprofessional programs are those in which a student completes college as a prerequisite for admission to a professional school. **Preprofessional programs are career choices, not majors.** Examples include, but are not limited to pre-medical, pre-dentistry, physician's assistant, pre-health professions, etc. Most preprofessional course requirements can be met at any accredited college or university. However, preprofessional advising at Norwich University is one of the strengths of the Preprofessional Program. The university maintains a strong advising program for preprofessional students. The advisor and student will develop a list of appropriate electives along with the major curriculum map and extra-curricular activities. The preprofessional advising program it is designed to enhance professional school admission opportunities and facilitate a student's transfer into a professional school.

The Preprofessional Program implements structured curricula and specialized advising for numerous career areas. Each curriculum incorporates the courses required by the professional schools into the strong Norwich University liberal arts curriculum. These courses facilitate the development of reading, writing, and critical thinking skills that provide the key to successful performance in professional schools and lifelong learning. Sound preprofessional advising, the accessibility of the individual advisers, and frequent contact with professional school representatives keep students well informed about the admission requirements and the application process for each program.

Selecting a Major

The majors that successful professional school applicants select are as diverse as the students themselves. Very few professional schools require, or even necessarily prefer, that applicants come from any particular undergraduate major. However, the liberal arts education that students receive at Norwich is an asset to any professional school applicant.

Preprofessional students should major in a subject that they enjoy and are thus more likely to perform well academically. A wise choice of major should take into account (1) what field holds the most interesting career prospects in the event that professional school plans do not materialize, and (2) the fact that majoring in something one enjoys, rather than feels compelled to pursue, is likely to stimulate the superior academic performance that is of utmost importance in professional school admission.

Service Learning

Service-Learning Opportunities
Students are encouraged to explore both credit-bearing and co-curricular service-learning opportunities that are tied to their academic interests and learning objectives. Service-learning allows students to apply what they're learning to the real world, in real time, and with real outcomes that affect the community the students are serving. To learn more about potential projects both within and outside the classroom, contact the Center for Civic Engagement (CCE), refer to information below.

Volunteer Opportunities and Programs
In keeping with the mission and tradition of Norwich University, students, staff, and faculty engage in a variety of public service activities throughout the entire calendar year. All students and student groups are encouraged to participate in a variety of volunteer opportunities during the week (outside of their academic schedule), weekends and even during holiday breaks. In conjunction with the Student Activities Fair at the beginning of each academic year, a volunteer fair is held on campus, which allows the University community to learn more about volunteer activities directly by meeting representatives of local community-based organizations.

Students who wish to volunteer with community partners and organizations are encouraged to register as volunteer by contacting the CCE. Leadership and service projects are local, national and international in scope and consist of work with the elderly, youth, homeless, hungry, and economically disadvantaged. All students are encouraged to become active volunteers as part of their college experience, with the aim of developing graduates who are "ready, not reluctant" to serve their community and nation.

Annual volunteer events include bi-annual blood and bone marrow registration drives, the Penguin Plunge fundraiser benefiting the VT Special Olympics; various food, book, clothing and supply drives; and annual clothing re-use programs, to include the Annual Clothing Drop 'N Swap, as well as the annual, end-of-the-year "Trash to Treasure" re-use program for unwanted, quality items donated by students leaving campus. One-time and on-going volunteer opportunities are posted on *Norwich Serves* site.

Additionally, domestic Alternative Break volunteer trips take place over Spring Breaks, while the NU VISIONS Abroad program features international, inter-disciplinary trips during summer vacation.

Contact Information
Office: Center for Civic Engagement, Wise Campus Center, Room 229; Phone: 802-485-2670 (Director's number). Email: 4achange@norwich.edu.

A Private Education is Affordable

Many families assume they cannot afford private education and make the mistake of basing their college selection on published costs alone. Don't fall victim to "sticker shock." At Norwich University, you will be surprised at the options available and how we can make a top-quality private education affordable. The Financial Aid Office will work with you to design a financial aid package that is tailored to meet your individual family circumstances.

All fees must be paid to enroll. There is an automatic hold on registration, transcripts, and diplomas for a student whose account is not paid in full. Items for which payment was deferred must also be paid before a transcript may be released. Please see Corps of Cadets and Dean of Students regulations or publications for other applicable fees.

Please note: Fees and charges are subject to change. When such changes are made, notice will be given as far in advance as possible. For further information about fees and charges, payment options, refund schedules, and information about the student account, explore the policies by reviewing the page tabs, and Bursar's website:

- Residential programs, https://www.norwich.edu/offices/bursar.
- Online programs, https://online.norwich.edu/online/paying/tuition-fees.

FY 25-26 Tuition and Fees

(2025-26) Fall Semester	(2025-26) Spring Semester	(2025-26) Annual
$24,365	$24,365	$48,730
		$200
$5,405	$5,405	$10,810
$2,235	$2,235	$4,470
		$2,120
		$150
$320	$320	$640
$725	$725	$1,450
$445	$445	$890
		$780

Fee Policies, Fee Explanation

ALL RESIDENTIAL STUDENTS ARE BILLED AT FULL-TIME TUITION RATES REGARDLESS OF CREDIT HOURS.

Commuter Student - Full time

	(2025-26) FALL SEMESTER	(2025-26) SPRING SEMESTER	(2025-26) ANNUAL
Tuition (includes tuition for up to 19 credits)	$24,365	$24,365	$48,730
Security Deposit			$200
Medical Insurance			$2,120
Student Activities Fee	$320	$320	$640
Technology Fee	$725	$725	$1,450
University Health Services Fee (use of clinic, infirmary, substance education and counseling services)	$445	$445	$890

Commuter Student – Part time

	Credits	(2025-26) Cost
Part-time Commuter	**9-11**	**$14,623**
Part-time Commuter	6-8	$ 9,756
Part-time Commuter	3-5	$ 4,878
Part-time Commuter	1-2	$ 1,831

Tuition, fees, and deposit for on-campus graduate programs

Item	(2025-26) Cost
Tuition	$961/credit
Room	$10,810
Board	$4,470
Basic Fees (Health, Technology, Student Activities)	$3,760
Medical Insurance (full-time students only, estimated cost)	$2,120
Admissions Deposit	$200

Miscellaneous Fees and Charges

	(2025-26) Cost
Deposit (Advance Payment)	$200
Audit (per course, non-refundable)	$1,436
ATI Nursing Fee	$472-$750
Clinical Course Fee (per course)	$472-$750
Course Overload Charge	$1,436
Fire Alarm Reset (room)	$25
Fire Alarm Reset (hallway)	$100
Follett ACCESS (course materials per semester)	$22 per credit up to $264
Graduation Fee (Degree)	$150
Graduation Fee (Certificate)	$75
Identification Card Replacement	$25
iPad Fee (annual; required for class utilization)	
Late Payment/Processing Fee (per month)	$1.5% of balance due
Lab/Science Course Fee	$10 - $60
Lab/Engineering Course Fee	$30 - $230
Mailbox Key Replacement Charge	$45
Orientation fee (This is a one-time, non-waivable, orientation fee paid by all students in their first matriculating year on campus.)	$379
PE 355 Certification Materials Fee	$80
Readmission Fee (non-refundable, but applied to tuition)	$250
Registration for Equivalency Examination (posting exam credit $250 per credit hour)	$250
Replacement Diploma Fee	$75
Room Lockout (open locked door)	$40
Room Key Replacement Charge	$40
Science Materials Fee	$75
Senior Citizens (Age 62) (not applicable to summer courses, or if matriculating for a degree)	No Charge
Single-Room Surcharge (South & Dalrymple Halls) (per semester)	$884
Study Abroad	$750

Vehicle Registration (per year)	$425
International Student Fee (Per Semester)	$150
Facilities Fee (Per Year)	$780
Estimated Fees*	**(2025-26) Cost**
Books & Supplies	$1,500
Miscellaneous Expenses	$1,500
Transportation	$1,200

Course Fees		(2025-26) Cost
Simulation for Nursing Practice		$120
Computer Forensics I		$150
Introduction to Drawing		$25
Introduction to Visual Design		$25
Introduction to Painting		$50
Introduction to Printmaking		$50
Introduction to Photography		$90
Fundamentals of Digital Design		$70
Embedded Systems		$90
Construction Safety		$15
Principles of Financial Accounting		$89
Principles of Managerial Accounting		$89
Math Placement Test Fee		$25
Academic Course Fees (Art & Architecture)		$200
Academic Course Fees (Engineering)		$10-$125
Academic Course Fees (Nursing)		$200-$400
Program Fees (per year)		**(2025-26) Cost**
Accounting		$1,200
Architectural Studies		$1,800
Civil Engineering		$1,800
Construction Management		$1,800
Computer Security and Information Assurance		$1,800
Computer Science		$1,600
Design Arts		$1,800
Electrical and Computer Engineering		$1,800
Engineering		$1,600
Mechanical Engineering		$1,800
International Business		$1,400
Management		$1,200
Nursing		$1,800
Nursing Accelerated		$1,800

Master of Architecture		$1,800
All Other Programs		$600

Explanation of Fees and Charges

Books: The total tuition and fees cost doesn't include book charges. Book charges, shipping, and handling costs, and applicable taxes are paid separately.

Technology Fee: The technology fee is composed of three components: 1) university computing infrastructure 2) core network resources and 3) the academic computing environment. University infrastructure costs include systems that provide all students with electronic access to and from the university and the portal systems that distribute information. Core network resources include the necessary equipment and services to provide network connectivity to these resources. The academic computing environment includes all computer labs, smart classrooms, printers, software and maintenance.

Library Fee: The library fee covers library support, online databases, and library access fees. This fee is non-refundable once the term begins.

Graduation Fee: For graduate and undergraduate students the fee is $150 and for certificate programs the graduation fee is $75. The graduation fee is a one-time, non-refundable fee that will appear on the student's final bill. The fee covers expenses associated with processing students for graduation; thus, the fee is not dependent on the student's participation in the commencement ceremony. Audit Charge: A student who audits a course will be charged the equivalent of one credit hour, along with the technology and library fees associated with the course.

Security Deposit: A security deposit is a one-time charge to all resident and full-time, nonresident students. The deposit will be refunded within 10 weeks following withdrawal or graduation.

Lab/course fees are assessed to students enrolled in specific courses, principally science and engineering. The fee covers the consumables used in the lab and in some cases also covers the cost of the lab manual and/or specialized software. The exact fee varies by course but ranges from $10 to $40 for science courses and $30 to $75 for engineering.

Medical Insurance: Norwich University requires that every full-time student have medical insurance coverage, either a personal policy or the policy offered by the school.

Course Overload Fee: Tuition pays for 19 credits per semester, excluding ROTC and MU260, Regimental Band. Except for ROTC courses and MU260, credits in excess of 19 will be charged at the part-time tuition rate. Bills will be adjusted for overloads at the end of the add/drop period. Please note, dropping a Course Overload Course after the end of the Add/Drop period will not result in a refund. If you are enrolled in courses that generate a course overload fee, you must drop them before the end of the add/drop window to not be charged for the course.

Cadet Uniform Fee: The student is obligated for the full cost of the Cadet uniform at the time the uniform is issued. Additional uniform replacement parts are at the expense of the student at time of purchase. Rooks withdrawing from the Corps of Cadets will receive a refund for the unused portion of their uniform issue and for items that have not been personally fitted/tailored. The manager of the Cadet Uniform Store will determine refunds. Should the Cadet withdraw from the Corps of Cadets or require a transcript, the full cost of the uniform, to include both the billed cost and the remaining cost of the uniform (less any approved refunds) will be applied to the student's account and must be paid when received. There is an automatic hold on transcripts and diplomas for any student whose student account is not paid in full.

Enrollment Deposit: Norwich requires an advance payment from all students who intend to return in the fall to help ensure accurate planning. This advance payment of $200 is due May 1. It is a non-refundable deposit, but upon enrollment it is applied towards your account, reducing the student's bill by $200. If the deposit is not used during the succeeding three years, the de**posit will be declared income to Norwich**

** Please note, the estimated cost of books and materials is $175 per term. Norwich's program offering and course material requirements are diverse and individualized, therefore, actual costs may vary significantly from this estimate across various student populations, program course offerings, and individual instructor.*

Bursar Tuition & Fees

2025-2026 Tuition and Fees

Prices effective June 1, 2025

BACHELOR'S DEGREE PROGRAMS	RATE PER CREDIT	TUITION	ADDITIONAL EXPENSES*	TOTAL**
Bachelor of Interdisciplinary Studies	$375 or $250 (active military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation Application Fee - $150/one-time	$8,400 - $35,900
Bachelor of Science in Business Administration	$375 or $250 (active military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation Application Fee- $150/one-time	$8,400 - $35,900***
Bachelor of Science in Computer Science & Information Systems	$375 or $250 (active military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation Application Fee - $150/one-time	$8,400 - $35,900
Bachelor of Science in Criminal Justice	$375 or $250 (active military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation Application Fee - $150/one-time	$8,400 - $35,900
Bachelor of Science in Cybersecurity	$375 or $250 (active military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation Application Fee - $150/one-time	$8,400 - $35,900
Bachelor of Science in Management Studies	$375 or $250 (active military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation Application Fee - $150/one-time	$8,400 - $35,900***
Bachelor of Science in National Security Studies	$375 or $250 (active military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation Application Fee - $150/one-time	$8,400 - $35,900
Bachelor of Science in Strategic Studies and Defense Analysis	$250 (active military); $375 (retired/ separated military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation - $150/one-time	$8,400 - $23,900
RN to BS in Nursing	$375 or $250 (active military)	$750-$4,500	Technology - $150/term Library - $100/term Graduation Application Fee - $150/one-time	$9,150 - $24,150

**Book charges, shipping and handling costs, and applicable taxes are paid separately.*

***The total tuition and fees cost does not include charges associated with books. A full-time bachelor's degree completion student is enrolled in 12 credits per trimester.*

***Students enrolled in the Bachelor of Science in Management Studies program (now Bachelor of Science in Business Administration) follow the tuition and fees noted on the Bachelor of Science in Business Administration listing.

MASTER'S PROGRAM	RATE PER CREDIT	TERM TUITION	ADDITIONAL EXPENSES	TOTAL*
Master of Arts in Defense Policy	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one time	$18,375-$22,815
Master of Arts in Diplomacy	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$22,050-$27,378
Master of Arts in Global Affairs	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one time	$18,375-$22,815
Master of Arts in History	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$22,050-$27,378
Master of Arts in International Relations	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$20,400-$25,284
Master of Arts in Military History	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$22,050-$27,378
Master of Arts in Museum Administration	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one time	$18,375-$22,815
Master of Arts in Strategic Studies	$689; $550 (military; veteran; first responder)	$3,300-$4,134	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$22,050-$27,054
Master of Business Administration	$799; $550 (military; veteran; first responder)	$3,300-$4,794	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$22,050-$31,014
Master of Public Administration	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation - $150/one-time	$22,050-$27,378
Master of Science in Criminal Justice	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$18,375-$22,815
Master of Science in Cybersecurity	$799; $550 (military; veteran; first responder)	$3,300-$4,794	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$22,050-$31,014
Master of Science in Information Systems	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one time	$20,025-$24,909

Master of Science in Leadership	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$22,050-$27,378
Master of Science in Management	$698; $550 (military; veteran; first responder)	$3,300-$4,188	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one time	$22,050-$27,378
Master of Science in Nursing: Adult Gerontology Acute Care Nurse Practitioner	$825; $550 (military; veteran; first responder)	$2,750-$4,125	Technology - $350/term Library - $75/term Graduation Application Fee - $150/one-time Clinical - $600	$30,975-$43,350
Master of Science in Nursing: Family Nurse Practitioner	$825; $550 (military; veteran; first responder)	$2,750-$4,125	Technology - $350/term Library - $75/term Graduation Application Fee - $150/one-time Clinical - $600	$30,975-$43,350
Master of Science in Nursing: Healthcare Systems Leadership	$825; $550 (military; veteran; first responder)	$3,300-$5,500	Technology - $350/term Library - $75/term Graduation Application Fee - $150/one-time	$22,350 - $35,550
Master of Science in Nursing: Nurse Education	$825; $550 (military; veteran; first responder)	$3,667-$5,500	Technology - $300/term Library - $75/term Graduation Application Fee - $150/one-time	$24,550 - $35,550
Master of Science in Nursing: Psychiatric Mental Health Nurse Practitioner	$825; $550 (military; veteran; first responder)	$2,750-$4,125	Technology - $350/term Library - $75/term Graduation Application Fee - $150/one-time Clinical - $600	$30,975-$43,350

**The total tuition and fees cost does not include charges associated with books. Book charges, shipping and handling costs, and applicable taxes are paid separately.*

CERTIFICATE PROGRAMS	PRICE PER CREDIT	FEES	TERM TUITION	TOTAL TUITION & FEES COST* (2 TERMS)
Cybersecurity Computer Forensics Investigation/Incident Response Team Management Critical Infrastructure Protection & Cyber Crime Cyber Law & International Perspectives on Cyberspace Project Management Vulnerability Management	$850/credit	Technology - $300/ term Library - $75/term	$5,475	$10,950
Investment Management Professional	$719/credit	Technology - $300/ term Library - $75/term	$4,689	$9,378
Leadership Human Resources Leadership Leading Change Management Consulting Organizational Leadership Public Sector/Government/Military Leadership	$719/credit	Technology - $300/ term Library - $75/term	$4,689	$9,378
Post-Master's Nursing Adult Gerontology Acute Care Nurse Practitioner Family Nurse Practitioner Psychiatric Mental Health Nurse Practitioner	$825	Technology - $350/ term Library - $75/term Clinical - $600	$1,800 - $3,200	$16,275
Public Administration Effective Nonprofit Management Fiscal Management Government Procurement and Government Contract Management Nonprofit Healthcare Management Public Administration Leadership & Crisis Management	$719/credit	Technology - $300/ term Library - $75/term	$4,689	$9,378
Teaching and Learning	$229.17	Technology - $300/ term Library - $75/term	$1,750	$3,500

**The total tuition and fees cost does not include charges associated with books or the $75 graduation application fee. Book charges, shipping and handling costs, and applicable taxes are paid separately.*

Civil Engineering Fundamental Courses

PRICE PER CREDIT	FEES	TOTAL COST
$200/credit	Library Fee - $75/term Technology Fee - $25/term	3 credits - $700 6 credits - $1,300

Explanation of Fees and Charges

- Books: The total tuition and fees cost doesn't include book charges. Book charges, shipping, and handling costs, and applicable taxes are paid separately.
- Please note, the estimated cost of books and materials is $175 per term. Norwich's program offering and course material requirements are diverse and individualized, therefore, actual costs may vary significantly from this estimate across various student populations, program course offerings, and individual instructor.
- Technology Fee: The technology fee covers the cost of your distance-learning account and 24/7 help desk support for technical issues related to the online learning platform. This fee is non-refundable once the term begins.
- Library Fee: The library fee covers library support, online databases, and library access fees. This fee is non-refundable once the term begins.
- Graduation Fee: For graduate and undergraduate students the fee is $150 and for certificate programs the graduation fee is $75. The graduation fee is a one-time, non-refundable fee that will appear on the student's final bill. The fee covers expenses associated with processing students for graduation; thus, the fee is not dependent on the student's participation in the commencement ceremony. Audit Charge: A student who audits a course will be charged the equivalent of one credit hour, along with the technology and library fees associated with the course.
- Thesis Fee: A thesis fee of $1,000 is applicable for students pursuing the thesis option in the diplomacy, military history or history master's programs.
- Sustaining Fee: A fee of $575 is applicable for coursework extensions, up to a maximum of 90 days, beyond the end date of the student's final course in the program.

- Clinical Fee: MSN-NP and NP-Certificate program students are required to pay a one-time, $200 fee to a subscription services related to licensure and clinical placement recordkeeping, and may be required to pay additional fees (approximately $200) for drug testing and background checks required by particular clinical site locations. Subscription service rates subject to change without notice.
- Master's Portfolio Fee: For the Master of Arts in Diplomacy and Master of Arts in International Relations programs, there is a one-time fee of $50 for students who seek to have their written assignments assessed.
- Military, Veteran, and First Responder Tuition Rates: Master's degree applicants will need to provide additional documentation to determine if they qualify for the discounted military, veteran, and first responder tuition rate ($550 rate per credit).

For all programs, part-time tuition costs do not vary from full-time tuition costs on a per credit basis, however fees charged on a per term basis will affect a student's overall cost of attendance dependent on their rate of academic progression.

All tuitions and fees are subject to change without notice. When changes are made, notifications will be sent to enrolled students as far in advance of the effective date as possible. If you have any questions about the current program tuition rates or your financial aid options, please contact one of our admissions advisors.

Bursar Tuition & Fees

Payment Plan, Question and Answers

Q: What are Norwich University's payment plan(s) offerings?
A: Students may enroll only in a single plan per term. Payment plans are set up by semester only. You may set up a five-to-four-month plan.

Q: May I enroll in a plan before I have an account balance for the semester?
A: No. You will need to have received your bill for the semester, which cannot be generated until you have been registered.

Q: What payment methods can I use when enrolling in my Norwich University payment plan?
A: You can sign up for a payment plan and pay via ACH (direct debit from your bank account), credit or debit card. You can make a one-time payment as well using the same payment methods.

Q: What fees are charged for enrolling in a Norwich University Payment Plan that I am eligible for?
A: Enrollment fee = $40 per semester; late fee = $65.

Q: Does Norwich University charge a credit card service fee if I use my credit card to enroll in a payment plan?
A: You may also use a credit card with NUpay. Accepted credit cards are Visa, MasterCard, Discover and American Express. A nonrefundable 2.85% ($3 minimum) service fee is charged in addition to the account payment amount.

Q: May I pay by cash if I signed up for a payment plan?
A: Payments through any method will reduce your plan amount automatically. Any payment you make to Norwich University will go toward your next plan installment.

Q: Can I still enroll in a plan if I have financial aid? How does that affect my plan?
A: At enrollment, the payment plan is calculated on the balance owed after all payments and/or financial aid credits are deducted from the amount due. Financial aid awarded after the initiation of the plan reduces all installments equally.

Q: When will my payment post to my student account?
A: Your payments are posted immediately as soon as a payment is processed successfully.

Q: Why do I see an amount due for an installment I already paid?
A: Installments reopen if their due dates have not passed and you have new charges on your student account.

The plan is set up to pay your charges for a number of items, such as tuition, fees, (and books, if you have financial aid). Anytime you have new charges for those items, your plan installment amounts will increase. Anytime you have payments or other new credits toward those items, your installment amounts will decrease. Balances on Norwich University account recalculate overnight. If you do not see changes right away, check your account again in 24 hours. Monthly installment amounts will not adjust 14 days before a payment due date for changes to your account. Your new payment amount will take effect on the following month's payment.

Please note that the Norwich University plan prevents you from making another payment on the same day to prevent overpayment or double payment.

An email notification is sent following each recalculation reflecting the new payment amount. You will also receive a reminder email that your monthly installment is due three days before the installment due date.

Q: Can my family or other authorized users have access to my student account?
A: Students may set up authorized users to view their billing information and/or their student bill on his or her behalf. Please note that, in accordance with the Family Educational Rights and Privacy Act, this does not allow the authorized user to view the student's academic records, course schedule, or other personal information. Authorized users may view student account activity, make payments, and set up payment plans.

Instructions : Log into NU Pay.

- Log into ssb.norwich.edu
- Select "Student Services", then select "Student Account"
- Select either "Account Information" or "Account Detail for Term", then click the "Pay Now" button.

Set up your Authorized User(s) by clicking on the "Authorized Users" tab. Click "Add Authorized User," enter the email address of the authorized user, and you will grant the user permission to view student account information. Click 'Continue' to finalize.

Students cannot make payments toward a plan set up by an authorized user. If your authorized user enrolled in the plan, you can see it, but the **authorized user must make the payments.**

Q: How do my parents access my account in Norwich University?
A: https://secure.touchnet.net/C20356_tsa/web/login.jsp

Q: May my parents both pay on one payment plan?
A: The student may sign up for the plan themselves and then give access to each parent as an authorized user. Each parent will pay his or her personally agreed upon portion of the plan each month.

Q: What if I no longer want to attend classes after registration?
A: You have to withdraw formally from classes. Contact the Center for Student Success at success@norwich.edu to ensure that you are no longer enrolled and that you are removed from your payment plan. Please do not assume your registration and/or payment plan will be automatically dropped/cancelled for non-payment.

Q: Whom do I call with Norwich University payment plan questions?
A: Payment Plans Support number: 833-269-3675. Our dedicated Tuition Payment Plan support representatives will be able to answer questions related to your account balance, plan details, installment payment status and plan agreement.

Bursar Tuition & Fees

Resources to Paying for Your Education

Federal Direct Parent Loan for Undergraduate Student (PLUS) https://studentaid.gov/

Parents can apply for a Federal Direct PLUS Loan and borrow up to the cost of attendance (COA), minus any other aid received.

Grad (PLUS) Loan for Graduate Students https://studentaid.gov/

Graduate students can apply for a Federal Direct Graduate PLUS Loan and borrow up to the cost of attendance (COA), minus any other aid received.

Tuition Payment Plan

Norwich University offers a Payment Plan option. To utilize this option, please follow the instructions in the NUYPAY PDF Guide. Once you have logged into your account click on the Payment Plans tab at the top to review and select your payment plan options.

Alternative/Private Education Loans

Alternative or private education loans may be used to supplement the difference between a student's financial aid award and the total cost of their education. For more information go to https://www.norwich.edu/financial-aid/student-loans.

VA Educational Benefits

VA Education benefits are either earned by the student or transferred to the student. If you have any questions, please contact the Veteran Affairs office via email at vaoffice@norwich.edu, by phone at (802) 485-2355.

Scholarships from Federal & State Agencies, Organizations, and Employers

Students may use external scholarships to pay for their education costs. The Bursar's Office must receive the appropriate forms (letters of credit, purchase orders, authorized military tuition assistance forms, or other acceptable billing documents) and supporting documentation prior to your enrollment. If you have questions about what documents are needed, please contact the Bursar's Office at:

- On Campus Students bursar@norwich.edu or (802) 485-2055
- CGCS Students bursargrad@norwich.edu or (802) 485-2055

Financial Aid, Planning

Norwich University is an approved institution for Title IV Federal Student Aid programs such as the Federal Pell Grant, Direct Loans, Federal Work-Study, and Supplemental Education Opportunity Grant. Norwich students receive funding from a variety of federal, state, local, private and institutional programs. Norwich students also receive funding based on their own, or their parent's military service; or from scholarships offered by organizations outside the University.

Students with questions about the financial aid application process or available programs may contact the Office of Financial Aid for assistance via e-mail at nufinaid@norwich.edu, or by phone at (802) 485-2850. Norwich Awards are offered on a funds-available basis, and all students who apply are evaluated for eligibility. Eligibility is determined by a number of factors and students will receive the award(s) for which they are most eligible. Norwich awards and other financial aid may pay for tuition, fees, room and board, as well as other university expenses.

All US citizens, permanent residents and eligible non-citizens are encouraged to file the Free Application for Federal Student Aid (FAFSA) each year of enrollment. Additional information for eligible non-citizens may be found on the FAFSA website. The FAFSA may be filed online each year starting October 1 for the next award year.

Students are invited to review the Financial Aid website for additional information about specific aid programs, key eligibility requirements, and federal rules and regulations.

Financial Aid, Planning

Satisfactory Academic Progress (SAP)

Federal regulations require schools to have a Satisfactory Academic Progress (SAP) policy to enforce the statutory requirement that a student must be meeting satisfactory academic progress toward degree completion to remain eligible for Federal Student Aid funding. Specific rules for State and institutional programs will vary.

The policy is based on cumulative outcomes and includes transfer credits and all periods of enrollment during which the student is enrolled in Norwich University courses. This regulation applies to all students regardless if they are seeking or receiving aid for the period of enrollment. This policy is fully separate from the Norwich University Academic Probation and Suspension process. *(Please see Academic Standing, Class Levels, Re-Admission section for more details)*

The Norwich University SAP policy applies to all Norwich University Students and includes the following:

- Qualitative measure – the cumulative grade point average of 2.0 or higher at the second year. See chart in Undergraduate programs for specific measures.
- Quantitative measure of progress – 67% percentage of attempted credit hours applicable to the students' degree are completed (for this calculation, the Financial Aid Office rounds up/down from 66.5% for final determination of eligibility)
- Maximum time frame – Students are given 150% of the published program length of the student's current degree program to complete all degree requirements

The SAP policy at Norwich University has been developed to ensure that the financial aid program at Norwich University adheres to the requirements set forth by federal aid regulations. An assessment of SAP will be made after each term of enrollment for all students.

Qualitative Measures – Required GPA
Course withdrawals, incomplete courses, and pass/fail graded courses are not counted in the student's grade point average and are not counted in the qualitative measure of the SAP policy. Incomplete grades will be counted as failed grades for financial aid Satisfactory Academic Progress review purposes after 30 days from the end of each term. If a grade is changed prior to the start of the next term the student may be reevaluated.

Undergraduate programs require the following grade point average to be considered in good standing, based on the progression of credits earned by the student.

Number of Credits Earned	Minimum Cumulative GPA
1-29	1.6
30-44	1.7
45-59	1.8
60+	2.0

Graduate program students must achieve and maintain a 2.0 cumulative GPA requirement to remain eligible for financial aid. Students may be expected to achieve and maintain a higher cumulative GPA (3.0 in most majors) to be considered eligible for continued enrollment in their academic program.

Quantitative Measures – Attempted/Earned Credits
The quantitative measurement of SAP is monitored according to the following guidelines:

- Pace of Progress: Students must complete at least 67% of their attempted courses throughout enrollment to sustain a proper "pace of progress" toward degree attainment. This measurement includes withdrawals, incomplete courses, and failed graded courses. This measurement indicates whether or not the student's academic outcome trajectory makes it possible for them to complete their degree requirements prior to attempting 150% of the total credits needed for program degree requirements (also see Maximum Time-frame).
    - Undergraduate students must maintain the 67% "Pace of Progress" throughout enrollment.
    - Graduate students must meet the 67% Pace of Progress after attempting 18 credit hours and they must maintain the 67% Pace of Progress throughout the remainder of enrollment beyond 18 attempted credit hours.
        - Example: For a program requiring 124 credits, the student must complete their program by the time they have attempted 186 credits. If a student in this program has completed only 80 credits of the first 150 attempted, they would no longer be eligible for aid because they have 44 required credits remaining (124 minus 80) but only 36 remaining credits of financial aid eligibility.
- Course withdrawals and incomplete courses are counted in the credit hours attempted, but not credit hours earned
- Transfer-in credit hours are included in the review of quantitative SAP measurements
- Courses that are retaken will be counted twice in the total attempted credits calculation
    - Example: if a student retakes a previously completed 3-credit course to improve their GPA, that course will be counted twice in total credits attempted for a total of 6 attempted credits, regardless of the grade outcome for either attempt
- A completed credit indicates that the student attended the full term and received a grade other than Incomplete or fail. A completed credit can be either a pass/fail grade or an A through F letter grade
- Pass/Fail graded courses count as attempted and/or completed credits for quantitative measurement purposes

Maximum Timeframe

- Maximum Time-frame: Students are eligible for Federal Student Aid Program funding for maximum time-frame lasting 150% of the normal time needed to complete their program of study. This measurement is based on a comparison of the number of credit hours completed in relation to the number of credits attempted toward degree requirements, quantitative measures. The measurements are not based on calendar dates.
    - General examples: Undergraduate students may receive aid for up to six years of enrollment toward attainment of a four-year degree and graduate students may receive aid for up to three years toward attainment of a two-year degree.

    - Specific example: Undergraduate students in programs requiring 120 credits to graduate are eligible for aid for up to 180 attempted credits.

- Students with Pace of Progress trajectories indicating it is no longer mathematically possible to complete their degree within the 150% maximum time-frame requirement become ineligible financial aid regardless of GPA at the time it is discovered degree attainment is no longer mathematically possible within the maximum timeframe.

Good Standing

To be considered in Good Standing for financial aid SAP, students must be meeting both the qualitative and the quantitative SAP requirements for their academic program within the maximum timeframe requirements.

When Students Fall Below Standards
Students not meeting the qualitative or quantitative measurements receive information describing how their academic measures impacts their eligibility for funding. Here are key terms related to the SAP policy and procedures.

Maximum Timeframe – 150%

Once the institution becomes aware that a student will not complete their degree requirements within 150% of the published program length, the student becomes ineligible to receive Federal Student Aid funding.

Warning
After the first semester not meeting the standard on either qualitative or quantitative measurements, the student receives a Warning Letter. The purpose of this letter is to remind the student of Satisfactory Academic Progress requirements and to provide information about the campus-based resources available to help them succeed in the classroom. The student is not required to submit any documentation at this stage. Funds for the next term are disbursed at the scheduled times.

Suspension
A student in Warning status that does not return to Good Standing in both the cumulative qualitative and quantitative measurements, and is not outside of the maximum timeframe requirement, after enrollment in a subsequent term, the student is ineligible for financial aid and is placed in suspension status. This may be due to not meeting either the cumulative qualitative or quantitative measurement for the 150% maximum timeframe requirement.

Financial Aid SAP Suspension status is effective immediately. For example, if a student is ineligible based on the review at the end of Fall Semester, aid is suspended for financial aid for the next term of enrollment (typically Spring) and moving forward until the student is meeting SAP again.

Students placed in Suspension status are notified of the reason they are ineligible to receive aid. The suspension letter includes information related to academic progress expectations and describes the process for filing a petition/appeal for reinstatement if unusual circumstances have impacted the student's ability to succeed in class.

Students ineligible for financial aid in suspension status are considered to be self-pay students for any period of enrollment they attend prior to receiving approval of their Petition for Reinstatement.

Petition for Reinstatement
Students placed into SAP Suspension status who have unusual circumstances are encouraged to file their appeal immediately after being notified of their Suspension status.

The petition form directs the student to provide a signed statement indicating the reasons that impacted their inability to remain in Good Standing and what they have done to eliminate the barriers to success. The student must meet with their Academic Advisor or the Academic Achievement Center to discuss their academic support needs. An advisor/Academic Achievement Center signature is required on the form. The student must also obtain and provide a copy of an updated academic plan which describes the remaining required courses and other academic requirements for their degree.

If the student's petition is approved, the approval may be effective immediately. This means that the student could be eligible for funding for the term during which the petition is approved or for their next term of enrollment.

Not all petitions are approved. Students cannot receive approval for multiple petitions which are based on the same rationale or circumstance.

Probationary Period
Students with approved petitions receive financial aid on a probationary basis and are placed in a Probation status. Part of the appeal process is providing individual outcome requirements that must be met each term in order to remain eligible for aid until returning to Good Standing, meeting SAP. Students who do not meet the documented expectations by the end of their probationary term, are then ineligible for aid moving forward and placed back in Suspension status. An example of an individual probationary expectation is that a student may be expected to complete all of their attempted credits and receive at least a 2.0 GPA for each semester of enrollment until the student returns to "Good Standing" levels.

Regaining Eligibility
In addition to successfully appealing for reinstatement, students may regain eligibility for federal aid when they return to Good Standing based on attendance as a self-pay student.

Students demonstrating the ability to meet Good Standing expectations through completion of courses taken at another school which are transferable to their Norwich University degree may also request a reinstatement review, even if the student has had two prior Petition approvals as allowed by the SAP policy. These students are also encouraged to discuss their remaining eligibility with Financial Aid as it relates to maximum timeframe eligibility (150% of program) concepts.

University History

Founded in 1819

Norwich University was the first private military college in the United States. Here the idea of the “citizen soldier” was developed, a guiding philosophy that later became the impetus for the creation of the Reserve Officer Training Corps (ROTC), for which Norwich University was the birthplace. Norwich was also the first private college or university to offer an Engineering program. Norwich was the first school to offer military training to women, in 1974, preceding the armed service academies by two years.

Two Lifestyles. One University

Norwich University is unique among institutions of higher education. No other university combines a military tradition covering over two centuries, a broad range of undergraduate degree programs, accelerated graduate programs both residential and hybrid, and innovative online graduate programs. Since 1993, Cadets and civilian students have shared the same campus at Norwich University, creating a college culture unique in our nation and the world. While students in The Corps of Cadets participate in intense military training, all of our students benefit from a distinctive and structured learning environment that promotes academic success as well as the development of leadership and character. Our students choose Norwich because it is the best "fit" for them. Students from both lifestyles choose Norwich for similar reasons - rigorous academics, a robust athletic program, a variety of extracurricular activities, and a safe environment.

For the majority of the day, students of both lifestyles are completely integrated. All of our students attend the same classes, play on the same athletic teams, and are involved in the same clubs and extracurricular activities. Although Cadets and civilian students have separate residences, a walk through the library, the dining hall, or the gymnasium will show all of our students living, learning, working, and playing together without regard for the lifestyle choice each student has made.

Address
Norwich University
158 Harmon Drive
Northfield, VT 05663
1 (866) 684-7237

University History

Vision, Mission

The Vision for Norwich University

Norwich University will be a learning community, American in character yet global in perspective; engaged in personal and intellectual transformation, and dedicated to knowledge, mutual respect, creativity, and service.

The Mission of Norwich University

To give our youth an education that shall be American in its character – to enable them to act as well as to think – to execute as well as to conceive – “to tolerate all opinions when reason is left free to combat them” – to make moral, patriotic, efficient, and useful citizens, and to qualify them for all those high responsibilities resting upon a citizen in this free republic.

University History

Guiding Values

Statement of Guiding Values

Norwich University was founded in 1819 by Captain Alden Partridge, US Army, and is the oldest private military college in the nation. Norwich University is a diversified academic institution that educates traditional age students in a Corps of Cadets or as civilians, and adult students. Norwich identifies the following as our guiding values:

1. We are men and women of honor and integrity. We shall not tolerate those who lie, cheat, or steal.
2. We are dedicated to learning, emphasizing teamwork, leadership, creativity, and critical thinking.
3. We accept the right to diverse points of view as a cornerstone of our democracy.
4. We encourage service to nation and others before self.
5. We stress being physically fit, and drug-free.
6. We live the Norwich motto, "I will try!" — meaning perseverance in the face of adversity.
7. We stress self-discipline, personal responsibility, and respect for law.
8. We hold in highest esteem our people and reputation.

University History

Accreditation

University Accreditation

Norwich University is accredited by New England Commission of Higher Education. Inquiries regarding the accreditation status by the Commission should be directed to provost@norwich.edu. Individuals may also contact:

New England Commission of Higher Education
3 Burlington Woods Drive, Suite 100
Burlington, MA 01803-4514
(781) 425-7785
Online Inquiries

Program Accreditation

College of Liberal Arts

The Education Teacher Licensure program--available in secondary and elementary tracks--is accepted for teaching licenses in Vermont and all states except New York, New Mexico, and South Dakota.

College of Professional Schools

- The B.S. in Nursing major is accredited by the **Commission on Collegiate Nursing Education (CCNE)** One Dupont Circle, NW, Suite 530, Washington, DC 20036, (202)-887-8476 and approved by the Vermont State Board of Nursing, Office of Professional Regulations, 89 Main Street 3rd Floor, Montpelier, VT 05520-2482, (802) 828-2396.
- The Civil Engineering, Electrical & Computer Engineering, and Mechanical Engineering programs are accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology (ABET).
- The Bachelor of Science in Construction Management is accredited by the Applied Science Accreditation Commissions (ASAC) of ABET
    - Additionally, the University is a member of the American Society for Engineering Education (ASEE).
- The Accounting (BS) and Management (BS) programs are accredited by the Accreditation Council for Business Schools and Programs (ACBSP)
- The Master of Architecture major is accredited by the National Architecture Accreditation Board (NAAB).
- The Engineering (BS) major is designed to be accredited by the Engineering Accreditation Commission (EAC) of ABET. 415 N. Charles Street, Baltimore, MD, 21201, 1.410.347.7700.
- Norwich University is one of very few academic institutions to be designated as both a **Center of Academic Excellence in Cyber Defense Education** since 2001, by the National Security Agency of the United States of America) and a **Center of Digital Forensics Academic Excellence** (since 2012, by the Defense Cyber Crime Center of the United States Air Force Office of Special Operations).
- The Master of Science in Nursing Administration programs are accredited by the the Commission on Collegiate Nursing Education (CCNE) and the Vermont State Board of Nursing (VSBN). .
- The Master of Science in Nursing Education program is approved by the Vermont State Board of Nursing and accredited by the Commission on Collegiate Nursing Education (CCNE).

College of Science & Math

- The Physical Education Teacher Licensure program--available in secondary and elementary tracks--is accepted for teaching licenses in Vermont and several other New England and Middle Atlantic states where the State of Vermont has interstate licensure agreements.
- The Athletic Training Program is accredited by The Commission on Accreditation of Athletic Training Education (CAATE).

College of Graduate & Continuing Studies

- The Master of Business Administration program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP)
- The Master of Business Administration, Project Management concentration is accredited by the Project Management Institute Global Accreditation Center for Project Management Education Programs (GAC).

Academic Catalog Archives

Navigate to the following links for archived catalogs.

- 2024-2025 Academic Catalog
- 2023-2024 Academic Catalog
- 2022-2023 Academic Catalog

Archived catalogs 2013/2014 to 2021-2022. Contact Norwich Archives for older catalog.

Academic Divisions

The University's academic programs are structured within a college.

College of Arts & Sciences

College of Graduate and Continuing Studies (online programs)

College of National Services

College of Professional Schools

Equal Opportunity

Norwich University is committed to creating and maintaining a community in which all persons who participate in university programs and activities can work and/or learn together in an atmosphere free of sexual harassment, sexual assault, domestic violence, dating violence and stalking, and discrimination.

The university does not tolerate such forms of misconduct. It is the intention of the university to take prompt and equitable action to prevent the recurrence of behaviors that violate this policy. Norwich also prohibits retaliation against any person opposing sexual or gender-based misconduct or participating in any sexual and gender-based discrimination investigation or complaint process internal or external to the institution. Sexual harassment, sexual assault, dating and domestic violence, and stalking are forms of sex discrimination, which are prohibited under Title IX and by Norwich policy. Any person may report sex discrimination (whether or not the person reporting is the person alleged to have experienced the conduct), in person, by mail, by telephone, by video, or by email, or via the reporting form. A report may be made at any time (including during non-business hours).

Director of Civil Rights Compliance
Title IX & ADA/504 Coordinator
802-485-2144
titleix@norwich.edu
Location: Kreitzberg Library (4th floor) space 407
Civil Rights and Title IX Office

Force of Publication

The statements set forth in this catalog are for informational purposes only and should not be construed as the basis of a contract between a student and Norwich University. The University Catalog is published annually; however, degree requirements follow a student's declared catalog.

While the provisions of this catalog will ordinarily be applied as stated, Norwich University reserves the right to change any provision listed in this catalog, including but not limited to, academic requirements for graduation and schedules for course offerings, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be made available in the Academic Colleges and the Registrar's Office.

It is especially important that students note it is their responsibility to keep themselves apprised of current graduation requirements for their particular degree, major, and minor degree program(s). Degree Audits are available electronically through BannerWeb to help students stay current with degree/major/minor requirements.

This catalog is prepared to enable prospective and enrolled students, and others, to learn about Norwich University. It is also intended to explain policies, requirements, regulations and procedures in a manner that will help the student progress through the University. Faculty, advisers and staff at the Norwich University will provide assistance, but ultimately the responsibility for compliance rests with the student.

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Registry

Faculty

The year after a name indicates the year hired at Norwich University; the date after the academic title indicates the year of that title; the year after each degree indicates the year the degree was earned.

The faculty teaching through the College of Graduate and Continuing Studies, click here.

JONATHAN C. ADKINS (2021) Assistant Professor of Cybersecurity (2021); B.S., University of Central Florida; M.S., University of Central Florida; Ph.D., Nova Southeastern University in Ft. Lauderdale, FL.

DEBORAH AHLERS (1991) Head of Cataloging and Interlibrary Loan; Assistant Professor (1991); B.A., 1989, SUNY Binghamton; M.L.S., 1991, SUNY Albany.

MIRZA AHMED (2023) Assistant Professor of Mechanical Engineering

DANIEL P. ALCORN (2010) Assistant Professor (2020): A.A. 2008, Kent State University; B.A. 2009, Kent State University; Program Manager, Bachelor of Science in Management Studies, 2017; Program Manager, Bachelor of Science in Business Administration, 2020; M.B.A. 2011, Norwich University; M.P.A. 2015, Norwich University.

NADIA AL-AUBAIDY (2014) Associate Professor of Construction Management (2020); B.S. 1998, University of Baghdad; M.S. 2005, University of Baghdad; Ph.D. 2015, Civil Engineering, University of Texas.

ALI SALEH AL-BATAINEH (2021) Director of the Center for Artificial Intelligence (2022); Assistant Professor of Electrical and Computer Engineering (2021); B.S. 2010, Yarmouk University; M.S. 2015, University of Bridgeport; Ph.D. 2021, University of Toledo.

MICHAEL C. ANDREW (1993) Associate Professor of Political Science (2002); B.A. 1986, de Sales University; M.A. 1990, de Sales University; Ph.D. 1994, SUNY Binghamton.

PETER APPLETON (2019) Visiting Associate Professor of Management (2019); B.A. 1970, Carleton University; M.Sc. 1972, University of Alberta; Ph.D. 1982, Universidad Mayor de San Simon.

CARA ARMSTRONG (2011) Associate Professor of Architecture (2019), Director of the School of Architecture & Art (2013); B.E.D. 1991, Miami University; B. Phil. 1991, Miami University; M.F.A. 2013, Drew University; M.Arch. 1994, Columbia University.

THOMAS J. ARNOLD (2022) Lecturer of History, B.A. International Relations University of California-Davis (1991); M.A. German & European Studies Georgetown University (1994); PhD History University of Kansas (2012).

DEBRA ARONSON (2023) Lecturer and Director of American Sign Language (2024); B.S. 1994, University of Hartford; M.A. University of Northern Colorado (2016); Certificate of Graduate Studies (2024), St. Michael's College.

ELISABETH ATEMS (2014) Lecturer of Physics (2014); A.B. 1977, University of Michigan; Ph.D. 1993, Wayne State University.

MARK G. ATWOOD (2019) Lecturer of Civil Engineering (2019); B.S., Civil Engineering 1990, Norwich University; M.S. Civil Engineering 1992, Purdue University; Registered Professional Engineer.

EMMA J. BARRETT (2021) Assistant Professor of Chemistry (2021); B.S. 2015, Emmanuel College; Ph.D. 2020, University of Vermont.

MICHAEL BATTIG (1998/2020) Professor of Computer Science (2020), Director of the School of Cybersecurity, Data Science, and Computing (2020); B.S. 1984, Miami University; M.S. 1991, University of North Texas; Ph.D. 1998, Mississippi State University.

SEAN BEEBE (2012) Assistant Professor of Military Science (2012).

JACQUES N. BENEAT (2002) Chair of Electrical and Computer Engineering (2022); Professor of Electrical and Computer Engineering (2015); DEA 1990, Université de Brest; Ph.D. 1993 Worcester Polytechnic Institute; Doctorate 1994, Université de Bordeaux.

COREY BENNETT (2019) Lecturer of Nursing (2019); A.S.N. 2011, Castleton State College; B.S.N. 2018, University of Vermont; M.S.N. 2019, Norwich University; Registered Nurse.

ZACHARY M. BENNETT (2022) Assistant Professor of History (2022); B.A. 2010, Northern Michigan University; M.A. 2013, Miami University; Ph.D. 2019, Rutgers University.

JAMES BERNARD (2022) Donald Wallace Visiting Assistant Professor of Mechanical Engineering.

KYLIE BLODGETT (2016) Assistant Professor of Health Science (2022); B.S. 2010, Norwich University; M.S. 2011, University of Michigan. M.S. 2015, University of New Hampshire; PhD. 2020, Walden University.

DAVID J. BLYTHE (1991) Director of the School of Business (2016); Associate Professor of Management (2010); B.S. 1981, Rutgers University; J.D. 1986, Vermont Law School.

MATTHEW W. BOVEE (2010) Associate Professor of Computer Science (2019); B.S. 1981, Arizona State University; M.A. 1986, The University of Kansas; MSISA 2018, Norwich University; Ph.D. 2004, The University of Kansas; AccessData Certified Examiner v6 (2018); Cellebrite Certified Mobile Examiner (2020).

DAVE BRIGHAM (2024) Co-Director of The Leadership Center; B.S. 1988, Norwich University; M.S. 2004, Naval War College; National Security Fellow 2011-2012, Harvard University; International Studies Fellow 2016-2017, Massachusetts Institute of Technology.

CHARLES BRINK (2018) Assistant Professor of Military Science (2018); B.A. 2003, Michigan State University. Major, U.S. Army.

JOHN BROOM (2006) Associate Program Director of Academics, M.A. in Military History program (2008); B.A. 1976, University of Minnesota; M.A. 1989, Norwich University; Ph.D. 1993, Union Institute.

ROWLAND BRUCKEN (2001) Professor of History (2013); Homer L. Dodge Award Recipient (2007); B.A. 1991, College of Wooster; M.A. 1993; Ph.D. 1999, Ohio State University.

FRANCESCO CALABRESE (2019) Assistant Professor of Naval Science (2019), B.S. 2012, University of North Florida; Lieutenant, U. S. Navy.

ANGELA D. CARPENTER-HENDERSON (2020) Lecturer of Physical Education (2020); B.S. 2008, Castleton State College; M.E. 2015, Southern New Hampshire University.

NATALIE A. CARTWRIGHT (2019) Associate Professor of Mathematics (2019); B.S. 1993, University of Vermont; M.S. 2000, University of Vermont; Ph.D. 2004, University of Vermont.

JOSEPH E. CATES (2015) Curator of Education and Public Programs; Assistant Professor (2020); B.A. 2000, Auburn University at Montgomery; M.A. 2002, University of Southern Mississippi.

CHARITY CERMINARA (2016) Clinical Placement Coordinator and Advisor for Special Programs (2020); B.S.N. 2013, Norwich University; M.S.N. 2016, Norwich University; Registered Nurse.

FAITH CHAPMAN (2022) Lecturer of Nursing (2022); B.S.N. 2019, Norwich University; Registered Nurse.

MARK CIERO (2021) Professor of Aerospace Studies (2021); B.S. 1991, US Air Force Academy; M.S. 1993, Massachusetts Institute of Technology; Colonel, U.S. Air Force.

WILLIAM H. CLEMENTS (1987) Professor of Criminology and Criminal Justice (2001); Vice-President for Academic Affairs (2011), Dean of the College of Graduate and Continuing Studies (2005); B.S. 1980, Clarkson University; M.A. 1982, University of Delaware; Ph.D. 1987, University of Delaware.

HENRY COLLIER (2014) Assistant Professor (2019); Program Manager Bachelor of Science Cybersecurity (2014); Program Manager Bachelor of Science Computer Science and Information Systems (2019); B.S., Information Technology (2008), M.S., Managing Innovation & Information Technology (2011); Ph.D. 2021, University of Colorado.

NICHOLAS M. CONNIZZO (2021) Head of LAM Systems and Digital Services; Assistant Professor (2021); B.A., 2006, Dartmouth College; M.L.I.S., 2011, University of Maryland.

SCOTT E. CONWAY (2020) Professor of Naval Science and Commanding Officer, Naval ROTC (2020); B.S. 1993, United States Naval Academy; M.S. 2008, Marine Corps University; M.S. 2014, Inter-American Defense College; Colonel, U. S. Marine Corps.

FRANCIS BRETT COX (2002) Charles A. Dana Professor of English (2018); B.A. 1981, University of South Carolina; M.A. 1984, University of South Carolina; Ph.D. 1992, Duke University.

WENDY COX (2000) Professor of Architecture (2021); B.S. 1981, Miami University; M. Arch. 1989, University of Colorado; M.S. 2018, Southern California Institute of Architecture; Registered Architect.

MICHAEL CROSS (2015) Assistant Professor of Electrical and Computer Engineering (2020); B.S. 1997, Rochester Institute of Technology; M.S. 2000, University of Vermont; Ph.D. 2005, University of Vermont.

MARTHA CURTIN (2022) Assistant Professor of Nursing (2022); B.S. Biology and Psychology 1990, University of Rochester; M.S. Human Genetics 1994, Howard University; A.A.N. 2013, State University of New York at Alfred; Registered Nurse.

ELEANOR D'APONTE (2000) Associate Professor of Architecture (2016); B.A. 1988, Barnard College; M.Arch 1991, University of Virginia. Registered Architect.

JAMES DALTON (2014) Assistant Professor (2019); Manager, Master of Arts in Strategic Studies (2017), Bachelor of Science in Strategic Studies and Defense Analysis (2014), Bachelor of Science in National Security Studies (2016); B.S., Secondary Education-Social Studies, 1987, University of Missouri; M.A. National Security and Strategic Studies, 2006, United States Naval War College.

AMBER DAMEZ (2023) Assistant Professor of Aerospace Science (2023); B.S. 2016, University of Texas; Captain, U.S. Air Force.

ANDREW DANIS (2022) Lecturer of Chemistry; BSc. 2007, United States Naval Academy; Ph.D. 2019, McGill University.

CEVAT DARGIN (2025) Assistant Professor of History (2025); B.A. 2007, Bogazici University; Ph.D. 2021, Princeton University.

ROBERT DENOYER (2020) Assistant Professor of Naval Science, Marine Officer Instructor (2020); B.S. 2013, Kennesaw State University; Captain U.S. Marine Corps.

SERGIO DIAZ-LUNA (2024) Assistant Professor of Spanish; B.A. 2005, Pontificia Universidad Javeriana; Ph.D. 2016, University of California, Davis.

DOMENICK J. DISTANO (2019) Assistant Marine Officer Instructor (2019); Gunnery Sergeant, U. S. Marine Corps.

MEGAN A. DOCZI (2011) Professor of Biology (2023), Chair of the Department of Biology (2019); B.A. 2003, Drew University; Ph.D. 2010, University of Vermont.

HEATHER E. DRISCOLL (2011) Research Associate Professor (2021); B.S. 1994, University of Wisconsin-Madison; B.S. 2002, University of Vermont; M.S. 2005, University of Vermont.

RICHARD K. DUNN (2000) Charles A. Dana Professor of Geology (2014); B.A., B.S. 1987, University of Minnesota Duluth; M.S. 1990, Wichita State University; Ph.D. 1998, University of Delaware.

CHAUNTELLE ECKHAUS (2019) Lecturer of Mathematics (2020); Development Mathematics Coordinator (2021); B.A. 1995, University of Colorado; M.A. 2019, Aurora.

CONNER FERGUSON, (2019) Assistant Professor of Naval Science (2019); B.A. 2013, State University of New York at Plattsburgh; Lieutenant, U. S. Navy.

MATTHEW FISCHER (2019) Assistant Professor of Criminology and Criminal Justice (2019); A.A.S. 2004, University of Wisconsin; B.A. 2006, University of Wisconsin; M.A. 2009, University of Michigan; ABD 2019, University of Louisville.

KEVIN FLEMING (2006) Professor of Psychology (2009); Chair of Department of Psychology and Education (2015); B.A. 1985, Lehigh University; M.A. 1987, University of New Hampshire; Ph.D. 1990, University of New Hampshire.

TONYA M. FORCIER (2012) Visiting Professor of Architecture (2021); B.S. 2004, Norwich University; M.Arch. 2005, Norwich University.

CATHY M. FREY (1985) Professor of Mathematics (2001); B.S. 1983, University of Vermont; M.S. 1985, University of Vermont.

R. DANNER FRIEND (2003) Professor of Mechanical Engineering (2016), Chair of Department of Mechanical Engineering (2017); B.S. 1987, Virginia Military Institute; M.S. 1991, Clemson University; Ph.D. 1999, Texas A& M. Registered Professional Engineer.

TRAVIS FRISBEY (2019) Military Science Instructor (2019); Staff Sergeant; U.S. Army.

ROMMY FULLER (2019) Visiting Associate Professor of Education, Director of Education (2019); BA, 2000, University of New Hampshire; M.Ed., 2002, University of New Hampshire; Ed.S., 2010, Simmons College; Ph.D. 2015, Simmons College.

JEAN-SEBASTIAN GAGNON (2019) Associate Professor of Physics (2025); B.Sc. 1999, Laval University; M.Sc. 2001, McGill University; Ph.D. 2007 McGill University.

SARAH K. GALLANT (2017) Assistant Professor of Chemistry (2021); B.S. 2014, University of Maryland; Ph.D. 2019 Dartmouth College.

JASON GALLIGAN-BALDWIN (2008) Associate Professor of Studio Art (2014); B.F.A. 2001, University of Louisiana; M.F.A. 2004, University of Mississippi.

DEANDRE L. GARNER (2018) Assistant Professor of Military Science (2018). B.A. 2002, Saint Martin's University; M.A. 2007, Webster University. Lieutenant Colonel, U.S. Army.

JOHN GARTNER (2018) Lecturer of Earth Science (2019); B.A. 1994, Middlebury College; M.A. 2003, University of Colorado, Boulder; Ph.D. 2015 Dartmouth College.

BRIAN GLENNEY (2015) Assistant Professor of Philosophy (2016); B.A. 1999, University of Washington; M.Litt 2000, University of St. Andrews; Ph.D. 2007, University of Southern California.

EMILY GRAY (2007) Professor of History (2020); Homer L. Dodge Award Recipient (2015); B.A. 1996, Utah State University; Ph.D. 2004, University of Pennsylvania.

SHANE GRABER (2021) Assistant Professor of Communications (2021); Advisor to the Guidon (2021); B.A., Texas Lutheran University; MFA 2010, The School of the Art Institute of Chicago; Ph.D. 2019, University of Texas-Austin.

LAURIE GRIGG (2011) Associate Professor and Dept. Chair of Earth Science (2021); B.S. 1991, Colorado College; Ph.D. 2000, University of Oregon.

ELIZABETH GURIAN (2011) Charles A. Dana Professor of Criminology and Criminal Justice (2025); Director of Criminology and Criminal Justice (2018); B.S. 2001, Boston University; M.S. 2006, Northeastern University; Ph.D. 2012, University of Cambridge.

ETHAN GUTH (2011) Associate Professor of Chemistry (2017); Department Chair of Chemistry (2020); B.S. 1999, Goucher College; Ph.D. 2007, University of Vermont.

AHMED ABDEEN HAMED (2019) Assistant Professor of Computer Science (2019); B.A. 1990, Ain Shams University; M.S. 2005, Indiana University; Ph.D. 2014, University of Vermont.

JANICE F. HANSEN Associate Professor; BSN, Hartwick College, MA, Castleton University, Curriculum and Instruction, MSN, Russell Sage College, Medical Surgical Nursing; Registered Nurse.

JEREMY A. HANSEN (2010) Associate Professor of Computer Science (2016); B.S. 1998, University of Wisconsin; M.S. 2005, University of Wisconsin; Ph.D. 2009, University of Wisconsin.

DONNA HARMON Instructor; LPN, Dean, Vocational School; ASN, Holyoke Community College; BSN, University of Massachusetts, Amherst; MSN (ACNP), University of Massachusetts, Worcester; Graduate Certificate in Nursing Education, University of Massachusetts, Amherst; DNP, University of Massachusetts, Amherst; Registered Nurse.

CONSTANCE HASSETT-WALKER (2020) Assistant Professor of Criminology and Criminal Justice (2020); B.A. 1990, Rutgers College, Rutgers University; MPA 1997, New York University; Ph.D. 2007, Rutgers School of Criminal Justice.

DANIEL HELMAN, JR. (2018) Military Science Instructor (2018). Staff Sergeant, U.S. Army.

K. TABETHA HOLE (2015) Associate Professor of Physics (2021); B.A. 1998, Oberlin College; M.S. 2004; Ph.D. 2009, University of Wisconsin.

NASIM HOSEIN (2020) Associate Professor of Management (2020); B.Sc. 1984, University of Manitoba; M.B.A. 2002, Athabasca University; Ph.D. 2006, International Institute of Studies, Ramkhampaeng University.

STEVEN HROTIC (2017) Lecturer of Sociology (2021); B.A. 2004, University of Vermont; Ph.D. 2009, Queen's University.

ENHUA HUANG (2018) Lecturer of Chinese (2022); B.S. 2000, National Chung Hsing University (Taiwan); M.A. 2003, St. Michael's College.

JASON F. JAGEMANN (2000) Associate Professor of Political Science (2006); B.A. 1993, State University of New York; M.A. 1995, State University of New York; Ph.D. 2000, Western Michigan University.

GREGORY A. JANCAITIS (2014) Associate Professor of Athletic Training (2022); B.S. 2005, University of New England; M.Ed. 2006, University of Virginia. DAT. 2018, A.T. Still University. Certified Athletic Trainer.

JESSICA JOHNSON (2024) Lecturer and Lab Coordinator of Health and Human Performance.

HENRY KAVLE (2024) Lecturer of Mathematics (2024); BSc. 2017, Massachusetts Institute of Technology; PhD. 2023, Queen's University at Kingston.

MICHAEL B. KELLEY (2003) Associate Professor of Civil Engineering (2012); B.S.C.E. 1974, Norwich University; M.S.C.E. 1976, Purdue University; Ph.D. 1996, Rensselaer Polytechnic Institute; Registered Professional Engineer.

LLYNNE KIERNAN (2004), Associate Professor of Nursing (2019); B.S.N. 1986, University of Vermont; M.S.N. 2007, Drexel University; D.N.P. 2016, Chatham University; Certified Health Care Simulation Educator 2022, Society of Simulation in Healthcare; Registered Nurse.

MIRI KIM (2014) Associate Professor of History (2020); B.A. 2005, Reed College; Ph.D. 2014, University of California, Irvine.

JEFFREY KIRKLAND (2022) Assistant Professor of Chemistry; B.S. 2007, University of New Hampshire; M.S. 2011, Ph.D. 2014, Rutgers University.

MARY BETH KLINGER-LAWRENCE (2017) Senior Lecturer of Biology (2022); B.S. 2003, Clarkson University; Ph.D. 2008, University of Vermont.

ROBERT KNAPIK (2011) Associate Professor of Physics (2017), Department Chair of Physics (2018); B.S. 2001, James Madison University; Ph.D. 2009, Colorado State University.

ZACHARY KOZIMOR (2018) Assistant Professor of Military Science (2018); B.A. 2009, New Mexico State University; M.S. 2015, Missouri University of Science & Technology. Captain, U.S. Army.

SEAN J. KRAMER (2013) Associate Professor of Mathematics (2019); B.A. 2005, Eastern University; M.A. 2008, Villanova University; Ph.D. 2013, Clarkson University.

YANGMO KU (2012) Professor of Political Science (2025); Associate Director of the Peace and War Center, 2017; B.A. 1999, Sogang University; M.A. 2002, George Washington University; Ph.D. 2010, George Washington University.

TARA KULKARNI (2011) Associate Professor for Research (2022); Associate Professor of Civil Engineering (2017); Director of the Center for Global Resilience and Security, 2016-2022; Homer L. Dodge Award Recipient (2019); B.E. 1998, University of Pune; M.S. 1999, University of Toledo; Ph.D. 2004, Florida State University. Registered Professional Engineer.

JUSTIN KUSTER (2019) Senior Lecturer of Philosophy (2024); B.A. 2011, University of Colorado; M.A. 2014, University of Minnesota; Ph.D. 2019, University of Minnesota.

MICHAEL LAMBERT (2024) Lecturer of Mathematics (2024); B.A. 2006, Dartmouth College; M.S. 2011, University of Vermont; M.A. 2014, University of Missouri-Columbia; Ph.D. 2019, Dalhousie University.

DANIEL W. LANE (2000) Professor of English (2013); B.A. 1991, Hamilton College; M.A. 1994, Binghamton University; Ph.D. 2002, University of Delaware.

ANNA LEAVEY Instructor; BA, University of Guelph; MA, University of Toronto; MSN (PMHNP), University of Vermont; Registered Nurse.

CHARLES LERCHE (2004) Associate Program Director of Academics, Master of Arts in Diplomacy Program (2004); B.A., 1972, Haverford College; M.A., 1973, American University; Ph.D., 1977, University of Ibadan.

EMILY LEVAN Instructor; BA, Bowdoin College; BSN, University of Southern Maine; MSN (FNP), University of Cincinnati; Post-Master's Certificate in Emergency and Trauma Medicine, University of Texas, Houston; DNP, Duke University, Registered Nurse.

JOHN S. LEWIS (2018) Military Science Instructor (2018). Master Sergeant, U.S. Army.

MIN LI (2014) Associate Professor of Sociology (2019) B.A. 1982, Fudan University; M.S. 1991, University of Wisconsin; Ph.D. 2004, University of Illinois.

MING LI (2022) Visiting Assistant Professor of Electrical and Computer Engineering.

ERICCA D. LONG (2024) Archivist for Collections and Access Services, Assistant Professor (2024); B.A. 1996, Boise State University; MLIS 2022, Texas Woman's University.

DALYN LUEDTKE (2012) Associate Professor of English (2017); Director of the Institute for Innovation in Teaching and Learning (2020); Composition Coordinator (2018); B.A. 2002, California State University; M.A. 2005, University of Arizona; Ph.D. 2012, University of Arizona.

MATTHEW LUTZ (2007) Associate Professor of Architecture (2014); B.F.A. 1993, Savannah College of Art and Design; M.Arch. 1999, Virginia Polytechnic Institute and State University. Registered Architect.

CARL G. MARTIN (2010) Associate Professor of English (2014); B.A. 1995, University of Massachusetts; M.Litt. 1999, University of Aberdeen; Ph.D. 2005, Tufts University.

JAMIE MAXHAM-ROBILLARD (2017), Lecturer of Nursing (2019); B.S.N. 2015, Norwich University; M.S.N. 2019, Norwich University; Registered Nurse.

SCOTT MAXHAM (2018) Senior Lecturer of Physical Education (2023); B.S. 1995, Norwich University; M.A. 2011, Concordia University.

SUSAN McAULIFFE (2016) Senior Lecturer of Mathematics (2017); B.S. 1990, M.S. 2000, University of Vermont.

CHRISTINE McCANN (1998) Professor of History (2012); B.A. 1990, Indiana University; M.A. 1992, University of California; Ph.D. 1998, University of California.

KATE MCCANN (2022) Adjunct Instructor of MATH 160, 161, and 360 for aspiring educators; B.S. 1996, University of Vermont; M.Ed. 1998, University of Vermont.

PRESLEY MCGARRY (2023) Assistant Professor of Criminology and Criminal Justice (2023); B.A. Psychology (2018) University of Nebraska-Lincoln; Ph.D. Criminology and Criminal Justice (2023) University of Massachusetts Lowell.

DANIEL J. McQUILLAN (2002) Charles A. Dana Professor of Mathematics (2016); Chair, Department of Mathematics (2023); B.A. 1991, Carleton University; M.S. 1992, University of Western Ontario; Ph.D. 1998, University of Western Ontario.

PAUL MILNE (2020) Lecturer of Chemistry (Physical Sciences Technican) (2021); A.B. 1987, Cornell University; Ph.D. 1996, The University of Michigan.

MORGAN MOEGLEIN (2022) Assistant Professor of Biology; B.S. 2010, University of Vermont; M.S. 2018, Brown University; Ph.D. 2021, Yale University.

LOUISE MOON ROSALES Instructor; BSN, Fairfield University; MSN (FNP), Fairfield University; Post Master's Certificate (PMHNP), University of Vermont; DNP, University of Vermont; Registered Nurse.

DANIEL MORRIS (2018) Associate Professor of Philosophy (2024); B.A. 2003, Davidson College; M.A.R. 2007, Yale Divinity School; Ph.D. 2012, University of Iowa.

W. TRAVIS. MORRIS (2011) Professor of Criminology and Criminal Justice (2024); Director of Peace and War Center, 2015; Homer L. Dodge Award Recipient (2017); Director of NU Colby Symposium (2017); B.A. 1996, Northern Illinois University; M.S. 2004, Eastern Kentucky University; Ph.D. 2011, University of Nebraska at Omaha.

MICHAN MYER (2016) Senior Lecturer of English (2024); Associate Director of the Center for Writing (2016); BA 2011, Regent University; MA 2014, Old Dominion University.

ERIC NAUGLE (2025) Lecturer of Health and Human Performance.

ALLISON T. NEAL (2015) Associate Professor of Biology (2021); B.A. 2009 University of Vermont; Ph.D. 2014, University of Vermont.

IRENE NEWSHAM (2022) Lecturer of Chemistry; B.S. 1982, University of Vermont, Ph.D. 1988, Massachusetts Institute of Technology.

KELLY NOLIN (2003) Director, University Archives and Special Collections; Assistant Professor (2003); B.A., 1990, Lyndon State College; MLIS, 1992, University of Rhode Island.

AMANDA NORTHROP (2020) Lecturer of Biology; B.A. 2005, Champlain College; B.A. 2012, University of Vermont; Ph.D. 2021, University of Vermont.

JAMES NOVAK (2022) Associate Professor of Biology; B.S. 1978, M.S. 1981, University of Illinois; Ph.D. 2003, University of Georgia.

CHRISTOPHER NUNEZ (2019) Military Science Instructor (2019); Sergeant First Class, U.S. Army.

DARLENE OLSEN (2006) Charles A. Dana Professor of Mathematics (2020); Homer L. Dodge Award Recipient (2013); B.A. 1994, Geneseo State College; M.S. 1997, State University of New York; M.S. 2011, State University of New York; Ph.D., 2003, State University of New York.

SCOTT L. PAGE (1999) Associate Professor of Biology (2005); B.S. 1994, Grand Valley State University; Ph.D. 1999, Wayne State University.

TIMOTHY PARKER (2012) Associate Professor of Architectural History (2018); B.Arch. 1990, California State Polytechnic University; M.A. 2001, California State University; Ph.D. 2010, University of Texas.

JOHN E. PATTERSON (2012) Program Chair for Construction Management (2023); Associate Professor of Civil Engineering (2016); B.S. 1993, Clemson University; M.S. 1996, Clemson University; Ph.D. 2006, Heriot-Watt University.

CAROLINA PAYARES-ASPRINO (2017) Associate Professor of Mechanical Engineering (2023); Assistant Professor of Mechanical Engineering (2017); B.S. 1981, Simon Bolivar University, Venezuela; M.S. 1992, Simon Bolivar University, Venezuela; Ph.D. 2005, University of Wales, United Kingdom.

SIMON PEARISH (2015) Associate Professor of Biology (2021); B.S. 2005, Indiana University; Ph.D. 2014, University of Illinois.

HOLLY PENTTILA (2024) Web and Electronic Resources Librarian; Assistant Professor (2024); B.S., 2022, Champlain College; M.L.I.S., 2024, Simmons University.

LINDSEY PETT (2022) Laboratory Manager & Lecturer; B.S. 2013, Paul Smiths College; M.S. 2017, State University of New York at Plattsburgh; Ph.D. 2022, University of Vermont.

EDWARD J. PINGEL (2021) Assistant Professor of Naval Science, Marine Officer Instructor (2021); B.A. 2015, Wabash College; Captain U. S. Marine Corps.

KEVIN PINKHAM (2021) Lecturer of English (2024); B.S. 1992, Nyack College; M.A. 1995, Baylor University; Ph.D., 2010, University of Southern California.

KYLE PIVETTI (2012) Professor of English (2025); B.A. 2003, University of California; Ph.D. 2010, University of California.

ROBERT D. POODIACK (1999) Professor of Mathematics (2013); Homer L. Dodge Award Recipient (2005); B.S. 1988, Cornell University; M.A. 1994, Western Connecticut State University; Ph.D. 1999, University of Vermont.

HEATHER PORTER (2013) Lecturer of Psychology (2018); B.S. 1998, Eastern Kentucky University; M.S. 2003, Eastern Kentucky University.

MICHAEL W. PRAIRIE (2008) Professor of Electrical and Computer Engineering (2022); Associate Professor of Electrical and Computer Engineering (2014); Grenville M. Dodge Chair of Engineering (2020), Chair of Electrical and Computer Engineering (2014); B.S. 1983, Norwich University; M.S. 1984, Air Force Institute of Technology; Ph.D. 1991, North Carolina State University.

SEAN PRENTISS (2012) Professor of English (2025); B.A. 1994, Western State College; M.F.A. 2005, University of Idaho.

LAUREN E. PROVOST (2021) Assistant Professor of Cybersecurity (2021); B.S. 2002, University of Texas, Austin; Ph.D. 2013, University of New Hampshire.

JOSHUA PRUE (2018) Lecturer of Mathematics/Mathematics Specialist, Center for Academic Success and Achievement (2021); B.S. 2002, Columbia University; ScM. 2005, Brown University.

HONG QIAN (2023) Visiting Associate Professor of Chinese (2023); B.A. 2000, Anhui University; Ph.D. 2011 University of Macau.

LINDA RATSEP (2016) Program Coordinator, Master of Civil Engineering (2016); B.S.C.E., 1978, University of New Hampshire; MBA, 1985, Drexel University; MCE, 1995, Villanova University. Registered Professional Engineer.

HUW O. L. READ (2015) Professor of Computer Security and Information Assurance (2018); Director of the Center for Cybersecurity and Forensics Education and Research (CyFER) (2015); B.Sc. 2003, University of Glamorgan; Ph.D. 2008, University of Glamorgan.

CHRISTINE REYES (2022) Assistant Professor of Athletic Training and Clinical Education Coordinator; B.A. 2010, M.A. 2012, Azusa Pacific University; Ph.D. 2020, Rocky Mountain University of Health Professions.

JOSEPHINE REYNES (2025) Assistant Professor of Mathematics.

OBADIAH RITCHEY (2023) Assistant Professor of Aerospace Science (2023); B.S. 2004 Air Force Academy; M.A. 2011, University of Colorado; Lieutenant Colonel, U.S. Air Force.

JENNIFER ROBTOY (2022) Lecturer of Nursing (2022); A.S.N. 2007, Rivier College; B.S.N. 2011, State University of New York; Registered Nurse.

JAMIE ROBILLARD (2019) Lecturer of Nursing (2019); B.S.N. 2015, Norwich University; M.S.N. 2019, Norwich University; Registered Nurse.

ALAINA ROBERTS (2022) Lecturer of Civil Engineering.

JAMES ROGLER (2012) Lecturer in Economics (2017); B.S. 1974, Wagner College; M.B.A. 1982, Fairleigh Dickinson University.

DEBORAH ROSENBLOOM Instructor; BS, Simmons College; ASN, Northern Essex Community College; MSN, Massachusetts General Hospital, Institute of Health Professions; PhD., University of Massachusetts, Amherst; Registered Nurse.

KRIS ROWLEY (2012) Lecturer of Computer Security and Information Assurance (2015); B.S. 2001, Norwich University; M.S.I.A. 2006, Norwich University.

NICK RUBIE (2023) Lecturer of Chemistry and Lab Coordinator (2023); B.S. 1996, University of Arizona; Ph.D. 2003, University of New Mexico.

MARTHE RUSSELL (2021) Lecturer of English and International and Multilingual Curriculum Coordinator (2021); B.A. 2003, Washington State University Honors College; M.A. 2005, Washington State University.

DANIEL SAGAN (2006) Associate Professor of Architecture (2011); B.A. 1986, Yale University; M.Arch. 1992, Yale University. Registered Architect.

GREGORY SAUER (2001) Executive Director of Library, Archives, and Museum; Assistant Professor (2001); B.A., 1988, Norwich University; M.L.S., 1992, Southern Connecticut State University; M.A., 1995, Western Connecticut State University.

ZACH SEIBOLD (2022) Assistant Professor of Architecture (2022); B.A. 2008, Syracuse University; Master of Design Studies: Technology, 2015, Harvard University.

ADAM F. SEVI (2008) Associate Professor of Civil Engineering (2014); B.S. 1995, Norwich University; M.S. 2002, University of Missouri; Ph.D. 2008, Missouri Institute of Science and Technology. Registered Professional Engineer.

MICAH SCOTT SHAFFER (2024) Archivist for Education and Outreach Services; Assistant Professor (2024); B.A. 2016, University of California, Los Angeles; M.A. 2020, King's College London; M.L.I.S. 2024, University of Wisconsin-Madison.

DANIEL SILVER (2019) Assistant Professor of Military Science (2019); Captain, U.S. Army.

PENNY R. SHTULL (1997) Professor of Criminology and Criminal Justice (2014); B.S.W. 1982, McGill; M.A. 1984, John Jay College of Criminal Justice; M. Phil 1993, City University of New York; Ph.D. 1997, City University of New York.

HELENE SISTI (2019) Associate Professor of Psychology (2025); B.A. 1996, Dartmouth College; M.Ed. 2000, Temple University; Ph.D. 2008, Rutgers University.

STEPHANIE L. SKENYON (2024) Director of the Sullivan Museum and History Center; Assistant Professor; B.A., 2002, College of the Holy Cross; M.A. History, 2007, University of York (UK); PhD History, 2021, University of Miami.

SCOTT A. SMITH (2020) Assistant Professor of Mechanical Engineering (2020); B.S. 2010, Wilkes University; M.S. 2015, University of Maryland, Baltimore County; Ph.D. 2020, William Marsh Rice University.

CHARLES M. SNOW (2019) Associate Professor of Computer Science (2019); B.Sc. 1980, McGill University; M.Sc.A. 1987, McGill University; Ph.D. 1998, McGill University.

STEVEN SODERGREN (2007) Charles A. Dana Professor of History (2019); Chair of History and Political Science Department (2018); B.A. 1999, Cornell College; M.A. 2001, University of Kansas; Ph.D. 2006, University of Kansas.

SETHURAM SOMAN (2019) Associate Professor of Economics (2019); B.S. 1998, Kerala Agricultural University; M.S. 2002, Southern Illinois University, Carbondale; Ph.D. 2008, Southern Illinois University, Carbondale.

JESSE SPEAR (2017) Assistant Professor of Military Science (2017); Sergeant First Class, U.S. Army.

PAGE C. SPIESS (2017) Senior Lecturer of Chemistry (2022); B.S. 2004, Eckerd College; M.S. 2007, University of California, Davis; Ph.D. 2008, University of California, Davis.

GEORGE E. SPRINGSTON (2002) Research Assistant Professor (2021); B.S. 1982, Clemson University; M.S. 1990, University of Massachusetts, Amherst.

MARK STEFANI (2014) Assistant Professor of Psychology (2019); B.A. 1988, University of Iowa; Ph.D. 1999, University of Virginia.

TOLYA STONOROV (2012) Associate Professor of Architecture (2019); Associate Director of the School of Architecture & Art (2020); B.A. 1998, Oberlin College; M.Arch. 2003, University of California, Berkeley. Registered Architect.

JACQUELINE STRENIO (2021) Assistant Professor of Economics (2021); B.A. 2008, University of Colorado at Boulder; M.S. 2014, University of Utah; Ph.D. 2018, University of Utah.

ANNE SUMMERS (2019) Senior Lecturer of English (2024); B.A. 2011, Barnard College; Ph.D. 2018, Stony Brook College.

KAREN SUPAN (2012) Associate Professor of Mechanical Engineering (2018); Director of the David Crawford School of Engineering (2020); B.S. 2000, Minnesota State University; M.S. 2002, Institute of Paper Science and Technology; Ph.D. 2005, University of Florida.

JARED TAYLOR (2021) Assistant Professor of Aerospace Science (2021); B.S. 2009, Worcester State University; M.A. 2015, American Military University; Major, U.S. Air Force.

MOSES TEFE (2012) Chair of Civil Engineering (2022); Associate Professor of Civil Engineering (2018); B.S.C.E. 1992, University of Science and Technology, Kumasi, Ghana; M.S.C.E. 2004, UNESCO-IHE, Delft, Netherlands; Ph.D. 2012, University of Alabama.

ARON P. TEMKIN (2010) Dean of the College of Professional Schools (2013); Professor of Architecture (2010); B.Arch. 1992, Carnegie Mellon University; M.Arch. 1997, Cranbrook Academy of Art, Registered Architect.

KAITLIN THOMAS (2015) Associate Professor of Spanish (2025); B.A. 2007, Washington College; M.A. 2011, New York University; Ph.D. 2018, University of Birmingham.

DOUGLAS THORNTON (2012) Band Director; B.S. In Music Education, 1986, University of Vermont; J.D. 1987, University of Maine School of Law.

MICHAEL EDWARD THUNBERG (2017) Assistant Professor of Political Science (2017); B.S. 2009, Northern Illinois University; M.A. 2012, West Virginia University; Ph.D. 2017, West Virginia University.

OLIVIA THURSTON (2023) Assistant Professor of Geology in the Department of Earth and Environmental Science; B.S. 2016, Union College; PhD. 2021, University of Illinois Urbana-Champaign.

WESLEY TRUMBAUER (2018) Assistant Professor of Military Science (2018). Captain, U.S. Army.

CATHLIN UPTON (2021) Lecturer of Accounting (2021); B.L.A. 1999, Purdue University; M.B.A. 2003, Purdue University; M.A. 2007, Purdue University; Certificate of Applied Statistics 2021, Purdue University.

JACOB J. VAN DEN BERG (2024) Associate Professor of Psychology (2024); B.A. 1997, Fairleigh Dickinson University; M.S. 2002, Yale University; M.P.H. 2021, Harvard University; Ph.D. 2009, University of Florida.

TYLER VANDERZWAAG (2022), Assistant Professor of Aerospace Science (2022); B.A. 2014, University of Nebraska: Captain, U.S. Air Force.

FRANK T. VANECEK (1976) Professor of Computer Science (1994), Senior Vice President for Enrollment Management & Student Affairs (2014); B.S. 1974, University of Dayton; M.S. 1976, Worcester Polytechnic Institute; D.B.A. 1982, Kent State University.

ELIZABETH VAN HORN (2020), Lecturer of Nursing (2020); B.S.N. 2006, Norwich University; M.S.N. 2014, Norwich University; Registered Nurse.

JEREMIAH VAUGHAN (2024) Assistant Professor of Health and Human Performance; B.S. 2012, Indiana State University; Ph.D. 2018, Kent State University.

CLAIRE VEACH (2015) Head of Library Research & Instruction; Assistant Professor (2015); B.S., 2010, Troy University; M.L.I.S., 2012, University of Alabama.

ILLARI VIHINEN (2022) Professor of Practice in Mechanical Engineering (2023); Lecturer in Mechanical Engineering (2022).

JOSEPH T. WALDEN (2018) Assistant Professor of Naval Science (2018); B.S. 2012, University of Florida; Lieutenant, U. S. Navy.

KATHRYN WARRENDER-HILL (2023) Assistant Professor of English & Director of the Center for Writing (2023); B.A. 2015, University of Vermont; Ph.D. 2023, University of Connecticut.

AMY S. WELCH (2019) Professor of Health and Exercise Science (2019), Department Chair of Health and Human Performance (2019); B.S. 2001, Sheffield Hallam University; M.S. 2002, Sheffield Hallam University; Ph.D. 2007, University Of Leeds.

CHRISTOPHER WIERSEMA (2025) Lecturer of Media Studies (2025); B.A. 2009, Columbia College Chicago; M.F.A. 2024, Vermont College of Fine Arts.

LEA WILLIAMS (2006) Professor of English (2017); Associate Provost for Educational Effectiveness (2021); B.A. 1992, American University of Paris; M.A. 1996, University of Oregon; Ph.D. 2001, University of Oregon.

AMBER L. WINGERSON (2022) Curator of Exhibits and Collections of the Sullivan Museum and History Center; Assistant Professor (2022); B.A. 2007, Pfeiffer University; B.S. 2007, Pfeiffer University; M.A. Public History 2012, Duquesne University; M.A. History of Decorative Arts, 2017, George Mason University in partnership with the Smithsonian Associates.

JESSICA WOOD (2012), Director of the School of Nursing (2022); A.S.N. 1998, New Hampshire Community Technical College; M.S.N. 2002, Norwich University; D.N.P. 2015, Duke University; W.H.N.P.-B.C. 2016, Duke University; Registered Nurse.

AMY WOODBURY TEASE (2011) Chair, Department of Global Humanities (2022); Associate Professor of English (2017); Associate Dean of the College of Liberal Arts (2019); Undergraduate Research Program Director (2015); B.A. 2001, Boston College; M.A. 2004, Tufts University; Ph.D. 2011, Tufts University.

TANG YE (2025) Assistant Professor of Physics and Chemistry.

PHILIP ZARUM (2020) Assistant Professor of Naval Science and Executive Officer, Naval ROTC (2020); B.A. 1993, University of New Hampshire; M.A. 2011, Naval War College; Commander, U.S. Navy.

Adjunct Faculty

KATHY ABEL Adjunct Instructor of Nursing; BSN, The Pennsylvania State University; MSN (FNP), Rutgers, The State University of New Jersey; DNP - Rutgers, The State University of New Jersey; Registered Nurse.

MARTHA AGBELI Adjunct Instructor of Nursing; BSN, University of Rhode Island; MSN, Drexel University; DNP, Walden University; Registered Nurse.

NEAL ANDERSON (2020) Adjunct Instructor of Management.

VESSELINA ALTEVA (2023) Adjunct Instructor of Chemistry and Biochemistry.

ANGELA S. BAKER (2020) Adjunct Instructor of Criminology and Criminal Justice; B.A. 1997, St. Lawrence University; MPA 2001, University of Vermont.

CHELSEA BECK VANNATTER Adjunct Instructor of Nursing; AA, Longview Community; Bachelor of Health Science, University of Missouri; BS (Respiratory Therapy), University of Missouri; BSN, William Jewell University; DNP (Family Nurse Practitioner and Adult Gerontology Clinical Nurse Specialist), University of Missouri, Columbia; Registered Nurse.

KYLE BEDARD (2020) Adjunct Instructor of Aviation Operations (2020); A.A.S. (2012), Community College of the Air Force; A.S.N. (2012), Castleton University; B.S. (2014), Castleton University; M.S. (2016), Southern New Hampshire University; Certified Flight Instructor; Certified Ground Instructor; Licensed Commercial Pilot.

AMY BERG Adjunct Instructor of Nursing; BS, Southern Methodist University; ASN, Excelsior University; MSN (PMHNP), Gonzaga University; DNP, Gonzaga University; Registered Nurse.

BARRY BENDER (2021) Adjunct Instructor of Business.

DAVID BENNETT Adjunct Instructor of Nursing; BSN, Georgia Southern University, MSN, University of Virginia; Registered Nurse.

LOGAN BESSETTE Adjunct Instructor.

JONATHAN BESETT (2020) Adjunct Instructor in Music (2020); BS 2015, University of Vermont.

PETER BORDELON Adjunct Instructor of Nursing; MSW, Syracuse University; MSN (Clinical Nursing Leader), University of Maryland, Baltimore; Post Master's Certificate (PMHNP), University of Virginia; Registered Nurse.

STEPHANIE BORK Adjunct Instructor of Nursing; BSN, University of Pittsburgh; MSN, University of Pennsylvania; Registered Nurse.

JOSEPH BOSLEY (2016) Adjunct Instructor of Management; B.A. (2010), American Military University; M.A. (2016) Norwich University; M.S. (2019), Norwich University.

MARINA BRAJNIKOVA-ARONSON (2017), Adjunct Instructor of Psychology and Leadership; B.S. (1988), Lenin Moscow State University, Russia; B.A. Norwich University (2006), M.S.L., Norwich University (2017).

KATE BRAYTON (2019) Adjunct Instructor of Criminology and Criminal Justice; B.S. 1994, Northern Vermont University; M.S.W. 2002, University of Vermont.

KRISTENE BROGER Adjunct Instructor of Nursing; BSN, Seton Hall University, MHA, Webster University School of Technology, MSN, University of Phoenix, DNP, University of Nevada; Registered Nurse.

CAROLYN BROWN Adjunct Instructor of Nursing; MSN, Wright State University; Registered Nurse.

RANDY BROWN (2019) Adjunct Instructor of Civil Engineering (2019); B.S. (1990), University of Vermont; M.Ed. (1996), Harvard University.

DONNA BRUNSON Adjunct Instructor of Nursing; ASN, Del Mar College; BSN, Incarnate Word University; MSN, Midwestern University; Registered Nurse.

KATHLEEN BRYANT Adjunct Instructor of Nursing; BSN, Northeastern University; MSN, University of Massachusetts, Lowell; MPH, University of Vermont; Registered Nurse.

HEATHER CAREY (2020) Adjunct Instructor of Nursing (2020); A.D.N. 2016, Vermont Technical College; B.S. 2009, Plymouth State University; Registered Nurse.

SCOTT CAULFIELD (2021) Adjunct Instructor of Exercise Science (2021); B.A. 2000, Castleton University; M.A. 2017, University of Denver.

KRISTIN CHANDLER (2006) Adjunct Instructor of Criminology and Criminal Justice; B.A. 1985, Colgate University; J.D. 1992, Seattle University.

ERICA CHARKALIS Adjunct Instructor of Nursing; BA, *University of Vermont;* ADN, *Clinton Community College; MSN (AGACNP), University of South Alabama*; Registered Nurse.

JOSEPH COLLINS (2017) Adjunct Instructor of Engineering (2017); B.S. Mechanical Engineering 1972, Rochester Institute of Technology.

ELIZABETH CONNOLE-POND Adjunct Instructor of Nursing; ADN, State University of New York, Albany; BSN, University of Phoenix; MSN (PMHNP), Wilkes University; DNP, Wilkes University; Registered Nurse.

ALLISON CONYERS (2019) Adjunct Instructor of Nursing (2019); B.S.N. 2003, James Madison University; M.S.N. 2018, Norwich University; Registered Nurse.

DANIEL COOKE (2021) Adjunct Instructor of Computer Science (2021); B.S. 1984, DeVry Institute of Technology; M.S. 2003, Saint Michael's College; Ph.D. 2015, Capella University.

DUNCAN CURRIER (2007) Adjunct Instructor of Management (2017); B.S. (1980), Norwich University; M.A. (1992), West Virginia University; MAJ, United States Army, RET.

LINDA DAVIDSON Adjunct Instructor of Nursing; AAS (Nursing) – Orange County Community College; MSN (FNP) – Pace University; Post Master's Certificate (PMHNP) – University of Vermont; DNP, University of New Hampshire; Registered Nurse.

JOHN DELLIPRISCOLI (2019) Adjunct Instructor of Computer Science; B.A. 2009, Manhattan College; M.S. 2013, University of San Francisco.

CHRISTIAN M. DENGLER (2014) Adjunct Instructor of Architecture (2014), Director of the CityLAB: Berlin of Norwich University (2014); M.Sc. (Dipl.-Ing.) 1997, Technical University of Graz.

LORI DEROSA Adjunct Instructor of Nursing; ASN, Lawrence Memorial Hospital/Regis College, BSN, the University of Texas at Arlington, MSN, Norwich University; Registered Nurse.

BRUCE W. DOBBINS (2022) Geospatial Intelligence Coordinator – Peace and War Center (2024); Adjunct Professor-School of Criminal Justice and Criminology (2022); B.S. 1976, THE CITADEL; M.A. 2005, University of Maryland.

KAHWA DOUOGUIH (2017) Adjunct Instructor of Engineering (2021); B.A. 2001, Stanford University; M.S. 2005, Colorado School of Mines; Ph.D. 2011, University of Maryland.

JANET DUPONT Adjunct Instructor of Nursing; BS, Houghton College, BSN, University of Vermont, Med, St. Michael's College, MSN, Loyola College, PhD, Capella University; Registered Nurse.

ALISA R. DWORSKY (1999) Adjunct Instructor of Architecture & Art; B.A. 1988, Stanford University; M.Arch 1992, Yale University.

CAMERON ELLSWORTH (2021) Adjunct Instructor of Business.

LENA FABIAN Adjunct Instructor of Nursing; BSN, Norwich University; MSN, University of Cincinnati; Post-Master's Certificate in Women's Health Nursing, University of Cincinnati; DNP, Walden University; Registered Nurse.

ROBERT FABICH Adjunct Instructor of Nursing; BSN, Norwich University; DNP, Northeastern University; Registered Nurse.

SABRINA B. FADIAL (2018) Adjunct Instructor of Art (2018); B.F.A. 1989, Rhode Island School of Design; M.F.A. 2001, Vermont College of Norwich University; Graduate Certificate 2012, Marlboro College.

BETTY FAIR Adjunct Instructor of Nursing, The University of Florida, MSN, The Florida State University, PhD, The University of Texas at Austin; Registered Nurse.

FAYE FAIRCHILD Adjunct Instructor of Nursing; BSN, University of Missouri, MSN, Nursing Administration and Education, University of Missouri, DNP, Leadership and Healthcare Innovations; Registered Nurse.

JESSY FRYE Adjunct Instructor of Nursing; AD, College of Central Florida; BSN, University of Florida; DNP, University of Florida; Registered Nurse.

PAGE GASPAR (2022) Adjunct Instructor of Nursing (2022); B.S. Biology 2015, University of Connecticut; B.S.N. 2019, Norwich University; Registered Nurse.

LYNDSEY GATES (2015) Adjunct Instructor of Nursing (2021); B.S. 2008, St. Lawrence University; B.S.N. 2013, Norwich University; M.S.N. 2015, Norwich University; D.N.P. 2020, University of Vermont; Registered Nurse.

AUDRA GLUNT Adjunct Instructor of Nursing; BSN, UPMC; DNP, Robert Morris University; Registered Nurse.

JEAN GORDON Adjunct Instructor of Nursing; BSN, University of Miami, MS/HRM, Nova Southeastern University, DBA, Nova Southeastern University, MSN, Kaplan University, MBA, Capella University; Registered Nurse.

EMILY GRAEF Adjunct Instructor of Nursing; BA, Carleton College; MSN, Simmons College; Registered Nurse.

AUSTIN GRAY (2014) Adjunct Instructor of Political Science; B.A. 1994, Brigham Young University; JD 1998, Temple University School of Law.

MATTHEW GUY Adjunct Instructor of Nursing; BS, New England College; ASN, Maine College of Health Professions; MSN (AGACNP), University of South Alabama; DNP (Executive Nurse Leader), University of Vermont; Registered Nurse.

ALYSSA HASPEL-SIEGEL Adjunct Instructor of Nursing; BSN, Arizona State University; MA, University of Phoenix; MSN, Case Western Reserve University; Post Master's Certificate (FNP), Maryville University; Registered Nurse.

GEORGE L. HASSELBACK (2021) Adjunct Instructor of Criminology and Criminal Justice; B.A. 1997, Norwich University; JD 2004, Capital University.

LISA K HAWTHORNE Adjunct Instructor of Nursing; AAS, Arizona Western College, BSN, University of Phoenix, MSN, University of Phoenix, PhD, University of San Diego; Registered Nurse.

GREG HITCHCOCK Adjunct Instructor.

WENDY HOLLAND Adjunct Instructor of Nursing; BSN, University of Connecticut; MSN, Johns Hopkins University; MPH, Johns Hopkins University; DNP – Duke University; Registered Nurse.

RACHEL HOUGH Adjunct Instructor of Nursing; ASN, St. Joseph School of Nursing; BA, Wright State University; MSN, Rivier University; Post-Master's Certificate, Rivier University; Registered Nurse.

NATHANIEL HUDAK (2023) Adjunct Instructor of Criminology and Criminal Justice; B.A. 2010, Norwich University; M.S. 2019, Southern New Hampshire University.

JOHNSIE HUGHES Adjunct Instructor of Nursing; BSN, Eastern Mennonite University; MSN, Walden University; DNP, Walden University; Registered Nurse.

MEGAN JOHNSON (2016) Adjunct Instructor of Management (2016); B.S. (2012), University of Vermont; M.B.A. (2013), University of Vermont; M.P.H. (2016), University of Vermont.

STEPHEN M. JOYCE (2018) Adjunct Instructor in Political Science (2020); A.B. 2001, Middlebury College; MA LA 2004, St. John's College; M.Phil 2006, Oxford University.

NANCY KUPKA Adjunct Instructor of Nursing; BA, Milikin University, Diploma in Nursing, Wesley Passavant School of Nursing, MPH, University of Illinois, MS, Rush University College of Nursing, PhD, Rush University College of Nursing, PhD, Capella University; Registered Nurse.

JULIE LEE (2021) Adjunct Instructor of Chemistry and Biochemistry.

MAREIKE LEE (2014) Adjunct Instructor of Architecture and Art, CityLAB: Berlin of Norwich University (2014); B.F.A. 2003, Nova Scotia College of Art and Design.

DENISE LÓPEZ MAZZEO (2024) Adjunct Professor English and Spanish; BA 1991, MA 1998, PhD (2009), University of Puerto Rico, Río Piedras.

KRISTIN LUCE (2022) Adjunct Instructor of Nursing (2022); B.S.P.H. 2018, San Diego State University; M.S.N. 2022, University of Vermont; Registered Nurse.

IAIN MACHARG (2005) Adjunct Instructor of Music; B.A. 1996, University of Vermont; M.Ed. 1997, University of Vermont.

HANSEN MAK (2024) Adjunct Professor of Political Science and International Relations; B.S. 1999, Norwich University; M.B.A. 2005, Webster University; 2017, Air War College.

ANNETTE MANNION Adjunct Instructor of Nursing; BSN, Johns Hopkins University; MSN, Johns Hopkins University; Registered Nurse.

RENATO E. MEROLLI (2014) Adjunct Instructor of Accounting; B.A. 1970, Fairleigh Dickinson University; J.D. 1974, The Columbus School of Law.

JESSICA MOORE (2021) Adjunct Instructor of Athletic Training (2021); B.S. 2002, Castleton University; M.S. 2006, Old Dominion University; Ed.D 2017, University of Montana.

KATE MORGAN Adjunct Instructor of Nursing; BSN, Rutgers, The State University of New Jersey; MSN (Nursing Education), Drexel University; Post-Master's Certificate (ACNP), Drexel University; Registered Nurse.

JOE NG (2018) Adjunct Instructor of Computer Science; B.S., San Francisco State University; Oracle Developer Certification, University of California.

AIMEE NOLAN (2022) Adjunct Professor of Criminology and Criminal Justice; B.A. 1995, Trinity College of Vermont; MFS 2021, National University.

SARAH NOYES (2019) Adjunct Clinical Instructor of Nursing (2019); B.A. 2012, Saint Michael's College; B.S.N. 2014, Remington College of Nursing; M.S.N. 2019, Grand Canyon University; Registered Nurse.

MIRSADA NURKANOVIC Adjunct Instructor of Nursing; BA, Johnson State College; DNP, University of Vermont; Registered Nurse.

FLORENCE NWOKOYE Adjunct Instructor of Nursing; BSN, University of Texas, Arlington; MSN (PMHNP), University of South Alabama; DNP, University of South Alabama; Registered Nurse.

CLARE O'SHAUGHNESSY (2021) Adjunct Instructor of Business.

ANDREW PADILLA (2024) Adjunct Instructor of Health and Human Performance; B.A. 2008, Gettysburg College; M.S. 2016, University of Illinois.

KATHLEEN PAGLIA (2020) Adjunct Clinical Instructor of Nursing (2020); A.D.N. (1992), Norwich University; B.S.N. (2018), Franklin Pierce University; Registered Nurse.

VIRGINIA N. PARKER (2024) Adjunct Faculty - Sociology, School of Criminology and Criminal Justice; B.I.S. 2013, University of Virginia; M.A.T. 2023, Liberty University.

JULIE PENICK Adjunct Instructor of Nursing; ASN, Louisiana State University; BSN, Northwestern State University of Louisiana; Post-Master's Certificate (FNP), University of Missouri, Columbia; DNP, University of Missouri, St Louis; Registered Nurse.

DONALD PERRAULT Adjunct Instructor of Nursing; BSN, Boston College; MSN, University of South Alabama; DNP, University of South Alabama; Registered Nurse.

EDNA PETIT HOMME Adjunct Instructor of Nursing; BSN, Florida Atlantic University; MSN (FNP), Florida Atlantic University; DNP, Florida Atlantic University; Post Master's Certificate (PMHNP), Florida State University; Registered Nurse.

URMENE PIERRE Adjunct Instructor of Nursing; BSN, Florida International University; MSN (FNP), Kaplan University; DNP, University of North Florida; Registered Nurse.

STEPHEN PLUNKARD (2020) Adjunct Instructor of Architecture (2020); BSLA 1977, Louisiana State University.

LURA PORTER (2023) Adjunct Instructor of Psychology; M.S. 2023, Norwich University; B.S. 2022, Norwich University.

ROD PULSIFER (2022) Adjunct Instructor of Criminology and Criminal Justice; B.S. 1979, Castleton State College, M.A. 2016, American Public University.

KELSI RECORD (2019) Adjunct Instructor of Engineering; B.S. Civil Engineering 2013, University of Vermont.

KELSEY REED (2022) Adjunct Instructor of Nursing (2022); B.S.N. 2019, University of Vermont; Registered Nurse.

MEGAN RILEY (2022) Adjunct Instructor of Architecture 2022, B.S. 1998, Nazareth College; Certified Professional Services Marketer (CPSM) 2019.

CHRISSY ROBERT Adjunct Instructor of Nursing; Diploma, Lutheran School of Nursing; BSN, Central Methodist University; MSN (PMHNP), Maryville University; Registered Nurse.

MIRIAM S. ROMERO (2020) Adjunct Instructor of Spanish (2020); B.A. 2008, University of Texas at Brownsville; M.A. 2010, University of Texas at Brownsville; Ph.D. 2016, University of Oklahoma.

TIMOTHY SANBORN (2023) Adjunct Instructor of Education.

WENDY SEARGEANT Adjunct Instructor of Nursing; ASN, University of Medicine and Dentistry of New Jersey; MSN, Fairleigh Dickinson University; Post Master's Certificate (PMHNP), Northeastern University; DNP, University of Massachusetts, Amherst; Graduate Certificate in Nursing Education, University of Massachusetts, Amherst; Registered Nurse.

DAVID SEM (2017) Adjunct Instructor of Criminology and Criminal Justice; B.S. 1990, Salem State College; M.S. 1991, Northeastern University.

VERDAH SERAPHIN Adjunct Instructor of Nursing; BSN, Barry University; MSN (FNP), Barry University; Post Master's Certificate (PMHNP), University of Miami; DNP, University of Miami; Registered Nurse.

MARLO SCHEPERS Adjunct Instructor of Nursing; MSN, Davenport University; Post-Master's Certificate (FNP), University of Massachusetts, Boston; Registered Nurse.

GEORGE SILOWASH (2016) Adjunct Instructor of Computer Science (2017); B.S. (2001), California University of Pennsylvania; M.S. (2007), Norwich University.

SUZANNE M. SIMONE (2020) Adjunct Clinical Instructor of Nursing (2020); Diploma 1986, St. Elizabeth School of Nursing; B.S.N. 2010, Franklin Pierce University; M.S.N. Leadership; Registered Nurse.

DOUGLAS A. SMITH (1999) Adjunct Instructor of Communications; Advisor to WNUB; B.A. 1982, Lyndon State College; M.A. 1998, Southern Illinois University.

ELISA STEPHENS Adjunct Instructor of Nursing; BA, Middlebury College; BSN, University of Wyoming; MSN (PMHNP), University of Pennsylvania; DNP, University of Arizona; Registered Nurse.

CHRISTOPHER STUCKY Adjunct Instructor of Nursing; BSN, University of Colorado, MSN, University of Phoenix, PhD, Uniformed Services University of the Health Sciences (USUHS); Registered Nurse.

MICHAEL STUDIN (2021) Adjunct Instructor of Criminology and Criminal Justice (2021); B.S. 1998, Ithaca College; M.A. 2021, Norwich University.

ERIC SWIECH (2017) Adjunct Instructor of Engineering; B.A. Geology 1993, Franklin and Marshall College; M.S. Geology 1996, Bowling Green University.

SAMANTHA TALBOT-KELLY (2012) Adjunct Instructor of Art; B.F.A. 1996, University of Montreal, M.F.A. 2002, University of Texas.

JOAN TELEMAQUE Adjunct Instructor of Nursing; BA, College; ASN, New England Institute of Technology; BSN, Regis University; MSN, University of Saint Joseph; Registered Nurse.

ADRIENNE TERRY (2021) Adjunct Instructor of Computer Science (2021); A.A. 2008, Georgia Military College; B.A. 2010, Augusta State University and Troy University; M.A. 2015, Brenau University; M.A. 2018, Trident University.

C. DART THALMAN (2000) Adjunct Instructor of Political Science (2012); B.A. 1966, University of Utah; M.A. 1967, Tufts University; M.A. 1969, Tufts University; Ph.D. 1979, Tufts University.

BEN TIETZE (2018) Adjunct Instructor of Engineering (2018); B.S. Civil Engineering 2016, University of Vermont.

KEITH TOOMEY (2024) Adjunct Instructor of Criminology and Criminal Justice.

CELESTINA UMEMGBA Adjunct Instructor of Nursing; ADN, Alcorn State University; BSN, American Public University; MSN (PMHPNP), Walden University; DNP, Misericordia University; Registered Nurse.

NICHOLAS VAN DEN BERG (2017) Adjunct Instructor of Engineering; B.S. Civil Engineering (2008), Norwich University; Registered Professional Engineer.

KAREN VATZ (2019) Instructor of English (2019) B.A. 1997, University of Arizona; M.A. 2003, University of Maryland; Ph.D. 2009, University of Maryland-College Park.

JACOB VEEDER (2025) Adjunct Instructor of American Sign Language.

FIANNA VERRET (2024) Adjunct Instructor of Political Science and International Relations and Academic Director of Graduate International Affairs Programs; B.A. 2000, Saint Michael's College; M.A. 2006, Norwich University, A.B.D. 2025, Missouri State University.

KIMBERLY WARD (2016) Adjunct Instructor of English; B.F.A. 1989, Johnson State College; M.F.A. 1998, Goddard College.

EMILY WEBSTER (2022) Adjunct Instructor of Nursing (2022); B.S.N. 2018, Simmons College; Registered Nurse.

HOPE WILLIAMSON Adjunct Instructor of Nursing; AA, City Colleges of Chicago, BSN, Austin Peay State University, MSN, University of Maryland, DNP, University of Miami; Registered Nurse.

MELODY WILLIS Adjunct Instructor of Nursing; ASN, Three Rivers Community College; BSN, Chamberlain College; MSN (Nursing Education), Central Methodist University; Post Master's Certificate (PMHNP), University of Missouri, Kansas City; Registered Nurse.

MARIE WOOLERY Adjunct Instructor of Nursing; BSN, Northern Caribbean University; MSN, Walden University; Registered Nurse.

JULIE YANKOWSKY Adjunct Instructor of Nursing; BA - University of New England; ASN, Cayuga Community College, MSN (PMHNP), SUNY Upstate University; Registered Nurse.

STEPHEN ZEMBA (2016) Adjunct Instructor of Engineering (2016); B.S. Mechanical Engineering 1983, Carnegie-Mellon University; M.S. Mechanical Engineering 1985, Massachusetts Institute of Technology; Ph.D. Mechanical Engineering, Massachusetts Institute of Technology; Registered Professional Engineer.

Professors Emeriti

The dates after names indicate years of full-time service to Norwich University.

ARNOLD J. AHO (1990-2007) Charles A. Dana Professor Emeritus of Architecture B.S., 1965 and B.Arch., 1966, Rensselaer Polytechnic Institute; M.Arch., 1971, University of Pennsylvania. Registered Architect.

ROY DUANE BAIR (1973-2003) Professor Emeritus of Biology B.S., 1965, Norwich University; M.S., 1968 and Ph.D., 1973, University of Cincinnati.

WILLIAM H. BARNARD (1974-2015) Professor Emeritus of Biology B.A. 1968, Franklin College; Ph.D. 1979, Indiana University.

CAROLE L. BANDY (1995-2020) Charles A. Dana Professor Emeritus of Psychology B.A. 1970, Rhodes College; M.S. 1973, University of Memphis; Ph.D. 1989, George Washington University.

JOHN DONALD BARON (1976-2002) Professor Emeritus of Civil Engineering B.S.C.E., 1965, M.S.C.E., 1967, and Ph.D., 1973, Purdue University. Registered Professional Engineer.

PETER NEVIUS BARTRAM (1985-2009) Professor Emeritus B.S., 1967, Michigan State University; M.Sc., 1969, and Ph.D., 1974, The Ohio State University. Registered Professional Engineer.

JAMES RICHARD BENNETT (1983-2008) Professor Emeritus of Music B.S. 1965, Gorham State College; M.M. 1966, University of Michigan.

LEROY C. BUTLER (1977-2005) Professor Emeritus of Chemistry B.S., 1960, Wake Forest College; Ph.D., 1966, University of Vermont.

JOSEPH E. BYRNE (1973-2017) Professor of Chemistry (1989), Associate Vice President for Academic Affairs (2006); B.A., 1967, LaSalle College; M.S., 1970; Ph.D., 1972, University of Maine.

EDWARD M. CARNEY (1972-2013) Charles A. Dana Professor Emeritus of Biology (2003); B.S., 1965, Southern Connecticut State College; M.S., 1969, University of Montana; Ph.D., 1973, University of New Hampshire.

ELIZABETH ANN CARNEY (1981-1998) Professor Emeritus of Nursing B.S., 1963, Southern Connecticut State University; M.Ed., 1977, St. Michael's College; M.S.N., 1988, Southern Connecticut State University.

KENNETH W. CARTER (1981-1992) Professor Emeritus of Graduate Studies A.B., 1952, Antioch College; M.A., 1957, Columbia University; Ph.D., 1971, Ohio State University.

JAMES EDWARD CATONE (1967-2002) Professor Emeritus of Psychology and Education B.S. 1962, SUNY at Albany; Ed.D. 1965, SUNY at Buffalo; D.Ed. 1976, University of Massachusetts.

FRANCES S. CHEVALIER (1990-2017) Professor Emeritus of French (2017); B.S. 1969, Douglass College; M.A. 1979, Rutgers University; Ph.D. 1995, Rutgers University.

LOUISE JANZ DAVIS (1972-1989) Professor Emeritus of Nursing Diploma, 1954, Trinity Hospital School of Nursing; B.S.N., 1955, Capital University; M.A., 1957, Columbia University.

MARY ELLEN DAWSON (1977-1998) Professor Emeritus of Nursing B.S.N., 1971 and M.S.N., 1973, University of Maryland School of Nursing.

THOMAS J. DECOTEAUX (2002-2020) Professor Emeritus of Civil Engineering (2021); B.S. 1985, University of Connecticut; M.S. 1987, University of Connecticut; Ph.D. 1992, University of Connecticut; Registered Professional Engineer.

EARL LEON FECHTER (1976-2006) Professor Emeritus of Studio Arts B.S., 1959, SUNY at Buffalo; B.F.A., 1964, and M.F.A., 1966, Boston University.

PATRICIA FERREIRA (1996) Professor Emeritus of English (2025); Homer L. Dodge Award Recipient (2001); B.A. 1982, Keene State College; M.A. 1988, University of Vermont; Ph.D. 1996, McGill University.

SCOTT C. FIELDS (1978-2013) Professor Emeritus of English; B.A. 1968, Williams College; M.F.A. 1970, Columbia University; Ph.D. 1979, New York University.

STEPHEN L. FITZHUGH (2002-2021) Professor Emeritus of Electrical and Computer Engineering; B.S. 1975, Worcester Polytechnic Institute; M.S.E.E. 1988, Rensselaer Polytechnic Institute; M.S.C.S. 1998, Rensselaer Polytechnic Institute; Ph.D. 2004, Rensselaer Polytechnic Institute; Registered Professional Engineer.

SETH FRISBIE (2006) Associate Professor of Chemistry (2014); B.S. 1986, University of Massachusetts; M.S. 1989, Cornell University; Ph.D. 1992, Cornell University.

ELLEN HALL (2002-2011) Librarian Emeritus B.A., 1969, University of Minnesota; M.L.S., 1970, University of Minnesota.

JOSEPH JAMES HEED (1962-1997) Professor Emeritus of Mathematics B.S., 1954, United States Military Academy; M.S. 1961, St. John's University; D.Sc., 1965, l'Universite de Nancy.

EDUARDO H. HERNANDEZ (1979-2016) Associate Professor Emeritus of Sports Medicine; B.S. 1972, Norwich University; B.A., 1981, Norwich University; M.Ed. 1976, Norwich University; M.A. 1986, Middlebury College.

RICHARD W. HERRMANN (1981-2000) Professor Emeritus of Liberal Studies A.B., 1954, Union College; A.M., 1955; and Ed.D., 1974, Harvard University.

MARY E. HOPPE (1981-2020) Professor Emeritus of Chemistry; Homer L Dodge Award Recipient (1989); B.S. 1973, College of St. Teresa; M.S. 1975, University of Michigan.

LAUREN D. HOWARD (1976) Professor of Biology (1993); Homer L. Dodge Award Recipient (1979); B.A. 1971, Hartwick College; Ph.D. 1979, University of Vermont.

JOHN HURD, II (1978-2010) Professor Emeritus of Economics, B.A., 1959, Yale University; Ph.D., 1969, University of Pennsylvania.

MICHEL E. KABAY (2001) Professor Emeritus of Computer Information Systems (2021); B.S. 1970, McGill University; M.S. 1972, McGill University; Ph.D. 1976, Dartmouth College. Certified Information Systems Security Professional and Information Systems Security Management Professional.

LINDA KARCH (1988-2013) Professor Emeritus of English; B.A. 1981, Millikin University; M.A. 1984, University of Illinois at Champaign-Urbana; Ph.D. 1992, Texas Christian University.

HAROLD KEARSLEY (2002-2016) Professor Emeritus of Political Science; BA 1973, University of South Carolina; MA 1982, University of Southern California; Ph.D. 1990, University of Aberdeen.

MARY PATRICIA KENNEDY (1972-1994) Professor Emeritus of Management B.S., 1951, Trinity College; M.A.T., 1961, St. Michael's College; Ed.D., 1985, Nova University.

ALFRED JOSEPH KLOECKNER (1960-1992) Professor Emeritus of English B.A. 1949 and M.A. 1950, Columbia University; Ph.D. 1956, Indiana University.

FRIEDA HERTHA KLOECKNER (1967-1991) Professor Emeritus of Modern Languages B.S. 1951, University of Wisconsin; M.A. 1955, Indiana University.

FREDERICK DUANE LARSEN (1957-2000) Charles A. Dana Professor Emeritus of Geology B.A., 1952, Middlebury College; M.A., 1960, Boston University; Ph.D., 1972, University of Massachusetts.

GERARD T. LaVARNWAY (1983-2021) Professor Emeritus of Mathematics B.S. 1978, Norwich University; M.S. 1983, University of Vermont; Ph.D. 1999, University of Vermont.

RONALD A. LESSARD (1979-2020) Professor Emeritus of Electrical and Computer Engineering (2021); Homer L. Dodge Award Recipient (1987); B.S.E.E. 1969, University of New Hampshire; M.S.E.E. 1970; and Ph.D. 1978, University of New Hampshire.

GARY THOMAS LORD (1969-2017) Charles A. Dana Professor of History (1990); B.A. 1964, University of New Hampshire; M.A. 1968, University of New Hampshire; Ph.D. 1976, University of Virginia.

JEAN LOIS BABSON MACDONALD (1976-1998) Professor Emeritus of Management B.S., 1958, University of New Hampshire; M.Ed., 1966, Boston University; Ph.D., 1985, University of Wyoming.

HOLLIS DEAN McBRIDE (1966-2001) Professor Emeritus of Chemistry B.S., 1958, Rensselaer Polytechnic Institute; Ph.D., 1966, Iowa State University.

MARTHA McDONALD McBRIDE (1990-2005) Professor Emeritus of Chemistry B.A., 1961, Macalester College; M.S., 1963, Iowa State University; M.A.T. (Biology), 1983, Norwich University.

JAN PURDUM McCLEERY (1972-2005) Professor Emeritus of Physical Education B.S., 1963, Kent State University; M.Ed., 1967, University of Pittsburgh.

JOSEPH WHITON McDANIEL (1970-1999) Professor Emeritus of Biology B.A., 1957, Bowdoin College; M.S., 1965, and Ph.D., 1968, University of Massachusetts.

ROBERT J. McKAY (1981-2019) Professor Emeritus of Philosophy (2020); B.A. 1969, Swarthmore College; M.A. 1973, University of Chicago; Ph.D. 1980, University of Chicago.

MELVIN E. MILLER (1981-2017) Charles A. Dana Professor of Psychology (2008); Director of Counseling and Psychological Services (1983); B.A. 1968, Westminster College; M.A. 1972, West Georgia College; Ph.D. 1981, University of Pittsburgh; C.A.G.S. 1979, Duquesne University.

MEHDI MOHAGHEGH (1986) Professor Emeritus of Economics and Finance (2018); B.A. 1973, College of Business (Iran); M.A. 1978, University of Tehran; M.A. 1985, Clark University; Ph.D. 1986, Clark University.

CHRISTOPHER D. MORRIS (1973-2010) Professor Emeritus of English; B.A. 1966, Swarthmore College; M.A. 1971, and Ph.D. 1972, SUNY Buffalo.

JOAN MARY MUSSMACHER (1972-2000) Professor Emeritus of Physical Education B.S., 1957, Boston University; M.S., 1978, Northeastern University.

HENRY VICTOR MUSE (1978-1996) Professor Emeritus of Political Science B.A. 1960 and M.A. 1965, Boston University; M.A. 1971 and Ph.D. 1974, Syracuse University.

MANUEL NUNEZ-de-CELA (1977-1999) Professor Emeritus of Spanish; Bachillerato 1950, Universidad de Murcia; Licentiate in Law 1957, Universidad de Salamanca; M.A. 1966, Middlebury College; Ph.D. 1974, University of Toronto.

GARY D. PARKER (1978-2013) Charles A. Dana Professor Emeritus of Physics (2007); B.A., 1965, Dartmouth College; M.S., 1970, University of Colorado; Ph.D., 1973, University of Denver.

CARLOS F. A. PINKHAM (1982-2009) Professor Emeritus of Biology B.S., 1965, Norwich University; M.S., 1969, and Ph.D., 1971, University of Illinois.

MICHAEL S. PUDDICOMBE (2001-2023) Professor Emeritus of Management; Charles A. Dana Professor of Management (2010), Professor of Management (2001); B.A. 1976, Boston University; M.B.A. 1988, University of Rhode Island; D.B.A. 1998, Boston University.

ANITA FREGOSI RISTAU (1972-1993) Professor Emeritus of Nursing B.S.N., 1959, University of Vermont; M.S., 1977, St. Michael's College.

ROBERT THOMAS ROTONDI (1977-2010) Professor Emeritus of Accounting, B.S., 1969 and M.B.A., 1971, Fordham University. Certified Public Accountant. Certified Fraud Examiner.

JAMES E. RYAN (1997-2012) Professor Emeritus of Criminal Justice, B.A., 1969, University of Vermont; M.P.A., 1974, SUNY Albany; D.P.A., 1985, SUNY Albany.

ARTHUR SCHALLER (1999) Professor of Architecture (2015); B.S. 1969, University of Cincinnati. Registered Architect.

EDWIN SCHMECKPEPER (2009-2023) Professor Emeritus of Civil Engineering; Professor of Civil Engineering (2013), Grenville M. Dodge Chair of Engineering (2017-2020), Chair of Civil Engineering (2012); B.S., Civil Engineering 1978, Valparaiso University; M.S. 1986; Ph.D. 1992, University of New Hampshire. Registered Professional Engineer.

ROBERT EDWARD SCHMIDT (1981-2009) Professor Emeritus of Architecture B.S.C.E., 1968, Newark College of Engineering; M.S., 1979, University of Vermont.

EUGENE ANTHONY SEVI (1975-2013) Professor Emeritus of Civil Engineering; Sc.B., 1968, Brown University; M.S., 1969, University of Colorado. Registered Professional Engineer; Diplomat, American Academy of Environmental Engineers.

STANLEY K. SHERNOCK (1985-2018) Charles A. Dana Professor Emeritus of Criminal Justice (2018); B.A. 1968, University of California, Berkeley; M.A. 1971, Indiana University; Ph.D. 1979, University of Virginia.

JOHN BELMONT STEVENS (1979) Professor Emeritus of Civil Engineering B.S.C.E., 1964, Norwich University; M.S.C.E., 1966, West Virginia University. Registered Professional Engineer.

PETER R. STEPHENSON (2002-2016) Professor Emeritus of Computer Security & Information Assurance (2015); B.S.E.E., 1999, Summit University; M.A., 2007, Norwich University; Ph.D. 2004, Oxford Brookes University. Certified Information Systems Security Professional, Certified Information Security Manager, Fellow, Institute for Communications Arbitration and Forensics.

FLOYD CHARLES STUART (1965-2003) Charles A. Dana Professor Emeritus of English; B.A. 1963, Fordham University; M.A. 1965, John Carroll University; Ph.D. 1972, SUNY Binghamton.

RAHMATHULLAH SYED (1984-2016) Professor Emeritus of Physics; B.Sc. and M.Sc. 1963, Sri Venkateswara University, India; M.S., 1980, Ph.D. 1983, The Catholic University of America.

PAUL TARTAGLIA (1977) Professor Emeritus of Mechanical Engineering (2017); B.M.E. 1967, The University of Detroit; M.S. 1968, Northwestern University; Ph.D. 1970, The University of Detroit.

THERESA ANN THOMAS (1972-2000) Professor Emeritus of Nursing Diploma, 1953, Fanny Allen Hospital School of Nursing; B.S., 1962, Boston College; M.A., 1964, Columbia University; Ed.D., 1985, Nova University.

WILLIAM CLAYTON TILL (1982-1992) Professor Emeritus of Electrical Engineering B.S., 1956 and M.S., 1962, Case-Western Reserve University.

WACLAW TIMOSZYK (1988-2019) Professor Emeritus of Mathematics; M.Sc., 1967, Technical University of Wroclaw, Poland; Ph.D., 1974, University of Wroclaw, Poland.

ERNEST D. TRUE (1974-2016) Professor Emeritus of Mathematics; B.A. 1962, University of Maine; M.A. 1964, University of Maine; Ph.D., 1972, Montana State University.

DAVID S. WESTERMAN (1982-2017) Professor Emeritus of Earth and Environmental Science; Charles A. Dana Professor of Geology (2000), Associate Vice President for Research (2007); B.S. 1969, Allegheny College; M.S. 1971; Ph.D. 1972, Lehigh University.

DOUGLAS FRANCIS WHITE (1982-1992) Professor Emeritus of Mechanical Engineering B.S. 1947 and B.M.E. 1948, Rensselaer Polytechnic Institute; Ph.D., 1958, Pennsylvania State University. Registered Professional Engineer.

FREDERICK EUGENE WHITE (1983-2013) Professor Emeritus of Civil Engineering; B.S.C.E., 1967 and M.S. Sanitary Engineering, 1969, Virginia Polytechnic Institute; Ph.D. Environmental Engineering, 1980, Pennsylvania State University. Registered Professional Engineer.

MARGARET BLACKBURN WHITE (1981-1992) Professor Emeritus of Graduate Studies B.A., 1956, Maryville College; M.A., 1966, and Ph.D., 1968, University of Rochester.

STEPHEN A. WIITALA (1980-2009) Professor Emeritus of Mathematics; B.A., 1968, M.A., 1971, Western Washington University; M.A., 1973, and Ph.D., 1975, Dartmouth College.

GREGORY D. WIGHT (1977-2016) Professor Emeritus of Civil Engineering (1994); B.S.M.E. 1967, Massachusetts Institute of Technology; M.S.M.E. 1968, University of Florida. Registered Professional Engineer.

DAVID E. WOOLF (1992--2021) Charles A. Dana Professor of Architecture (2012); Homer L. Dodge Award Recipient (1999); B.S. 1974, University of Cincinnati; M.Arch. 1977, Harvard University; M.F.A. 1995, Vermont College. Registered Architect.

THOMAS H. YANDOW (2000) Professor Emeritus of Accounting (2021); B.S./B.A. 1976, Bryant College; M.B.A. 1998, Lincoln University; M. Acc. 2004, Golden Gate University. Certified Public Accountant.

Board of Fellows

Mission

As a volunteer arm of Academic Affairs, The Board of Fellows works closely with the Office of the Senior Vice President of Academic Affairs & Dean of the Faculty, College Deans, faculty, and students to improve the overall student academic experience and brand recognition of Norwich in the national marketplace. This includes advising/participating in attracting higher quality students, developing extra-curricular programs to insure better student outcomes, and providing strategies to enhance the reputation and recognition of Norwich as a quality provider of academic programs of study.

EXECUTIVE COMMITTEE		
Patty Leavenworth, 87 ExCom Chair (Departing)	Sean O'Brien '90 ExCom Chair (Incoming)	Keith Gelinas '84 ExCom Vice Chair (Incoming)
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Eric Judge '97	Eric Kuchar '96	Shaili Patel '16
Jana Raymond '90	Stephan Rockwell '96	Michael Shoen '92
Matthew Smith '93		
Dr. Lea Williams, Acting Provost and Dean of the Faculty		

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Gretchen Archambault '96	Rob Arone '90	Robert Aronson '83
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Matthew Smith '93	Michael Smith '88	Leo Soucy '69
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Beverly Van Citters	Robert Vincent '01	Tim Williams '92

HONORARY MEMBERS		
James C. Abare '57 (Deceased)	Peter V. Aliferis '68	Charles Adams (Deceased)
Frank W. Allen '58	Alan Anderson '09	Frederick G. Bashara, Jr '63
Andrew Boggs (Deceased)	David C. Briggs '68	Robert Briggs (Deceased)
Shawn Brennan '96	Vivian Bryan (Deceased)	Edward Bryan (Deceased)
Neal Burgess '52 (Deceased)	Anthony R. Caprio '60	Robert W. Christie '44
Ferdinand Collins '58 (Deceased)	Gary J. Confessore '63	Tobias F. Danforth '69
Carlo W. D'Este '58 (Deceased)	Donald E. Edwards '59 (Deceased)	Jack Finian '56 (Deceased)
George Garrison (Deceased)	R. Rand Garbacz '61	John R. Greenway '56 (Deceased)
Robert R. Harriman '58	Walter A. Henry, III '45 (Deceased)	Calvin Hosmer, III '55
Robert M. Johnson '60	Virginia R. Houston	William B. Lewis '04
George Kingston (Deceased)	Reinhard M. Lotz '60	Angus Macaulay '66
Hugh March '51 (Deceased)	William E. McIntosh, III '67	R. John Mitchell
Charles Nettleship '85	Earle Newton (Deceased)	Margaret Novack
Dalton Oliver (Deceased)	Adelle C. Park	Joanne Holbrook Patton W'00
Charles H. Perenick '56	Helen Philbrook (Deceased)	Mary H. Prouty '54 (Deceased)
Gordon R. Pyper (Deceased)	John T. Quinn '58	Richard F. Reidy, Jr '58
Barbara Roll (Deceased)_	Roger Samia '61 (Deceased)	Edward Shyloski, Jr. '66
George Styer (Deceased)	Elizabeth C. Veach '92	Conrad D. Whitney '51
George P. Wisell, Jr '67		

Registry

Alumni Association

Mission
The Norwich University Alumni Association (NUAA) promotes the Norwich experience and the bond that exists between the university and its alumni. The NUAA champions the vision, guiding values, principles and traditions of Norwich to build camaraderie, commitment, and lifelong relationships.

Vision
The NUAA is committed to creating a unified, informed, and proud body of alumni that is involved and committed to the interests and activities that perpetuate Norwich University and the Norwich family.

General
The NUAA was founded in 1852, and is one of the oldest collegiate Alumni Associations in the nation. It represents the largest of the university's constituencies: Norwich alumni past and present from both the graduate and undergraduate programs. NUAA programs foster the connection between alumni and their alma mater, and with each other. These programs include the annual Homecoming Weekend, the NU Club network, the Legacy of Learning continuing education series, networking and social events, and professional development opportunities. Norwich graduates automatically become lifetime members of the Association and are encouraged to participate in all alumni activities. For additional information about the NUAA, visit **www.alumni.norwich.edu/nuaa**.

Alumni Association Board Officers
President, Brian Dunne '13
First Vice President, Joey Mac Dizon '11
Second Vice President, Joseph Reagan '04
Secretary, Meaghan Medow '18
President Emeritus, Brian Gibbons '99

ALUMNI ASSOCIATION BOARD MEMBERS		
Brian Bisacre '89	Marc Henderson '99, M'08	Sandra Merolla '83
James DiGiacomo '89	Preston Huntington '14, M'17	Richard Prevost '76
Patrick Enriquez '07	Peter Hynd '94	Joseph Slavinsky '92
Alicia Fuller '95, M'23	Jennifer Johnson VC'93, P'18	Barry E. Wright '70
Justina George '17, M'20	Marc Kolenko '84	Jennifer Zarycki '20, M'22
Jennifer L. Goudreau '90	Alex G. Kwmuntis '16	John Zwack '13
George Hasselback '97	Sara Margalus '01, M'14	

All Programs

Accounting

Program Details

Simple Requisites

Accounting (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:

- AC205 - Principles of Accounting-Financial
- AC206 - Principles of Accounting-Managerial
- EC201 - Principles of Economics (Macro)
- EC202 - Principles of Economics (Micro)

-

AND

Support Courses

-

Complete ALL of the following Courses:

- AC335 - Intermediate Accounting I
- AC336 - Intermediate Accounting II
- AC400 - Data Analytics for Accountants
- AC419 - Taxation I
- AC420 - Advanced Federal Income Tax
- AC428 - Auditing
- AC430 - Governmental and Not-for-Profit Accounting
- AC441 - Cost Accounting
- AC442 - Advanced Accounting
- CS120 - Business Applications & Problem Solving Techniques
- FN200 - Fundamentals of Finance
- FN311 - Corporate Finance
  OR EC310 - Money and Banking
- MA107 - Precalculus Mathematics

- MA212 - Finite Mathematics
- MA232 - Elementary Statistics
  OR QM213 - Business and Economic Statistics I
- MG101 - Introduction to Business
- MG227 - Principles of Marketing
- MG309 - Management of Organizations
- MG319 - International Dimensions of Business
- MG341 - Business Law I
- MG346 - Business Law II
- MG449 - Administrative Policy and Strategy
- PH322 - Money, Meaning and Morality
- QM317 - Business and Economic Statistics II
- WRIT204 - Professional and Technical Writing

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Business, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Able to prepare and interpret a set of general-purpose financial statements.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand the external audit process including planning, risk assessment, evidence, audit procedures, and reporting, as well as its inherent limitations, all within the context of ethical behavior and legal liability.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Able to prepare a comprehensive and complex personal income tax return using appropriate software.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Possess an integrated understanding of the other major areas of business: management, economics, finance, marketing, etc.

Justification
-

Admission Criteria
Residential programs admission. There are no additional criteria to declare this major.

Degree Map Name
Accounting Sample Degree Plan
Degree Credits
116 - 120

Year	Term	Semester/Term Credits
Year 1	Fall 1	12 - 16

Requirement
- CS120 - Business Applications & Problem Solving Techniques

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- MG101 - Introduction to Business

Semester/Term Credits 3

Requirement
- AC205 - Principles of Accounting-Financial

Semester/Term Credits 3

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- AC206 - Principles of Accounting-Managerial

Semester/Term Credits 3

Requirement
- QM213 - Business and Economic Statistics I

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Year	Term	Semester/Term Credits

Year 2	Fall 2	15

Requirement
- AC335 - Intermediate Accounting I

Semester/Term Credits 3

Requirement
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Requirement
- QM317 - Business and Economic Statistics II

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- AC336 - Intermediate Accounting II

Semester/Term Credits 3

Requirement
- AC441 - Cost Accounting

Semester/Term Credits 3

Requirement
- EC201 - Principles of Economics (Macro)

Semester/Term Credits 3

Requirement
- MA212 - Finite Mathematics

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- AC419 - Taxation I

Semester/Term Credits 3

Requirement
- AC428 - Auditing

Semester/Term Credits 3

Requirement
- FN200 - Fundamentals of Finance

Semester/Term Credits 3

Requirement
- MG309 - Management of Organizations

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- AC442 - Advanced Accounting

Semester/Term Credits 3

Requirement
- AC420 - Advanced Federal Income Tax

Semester/Term Credits 3

Requirement
- FN311 - Corporate Finance

Semester/Term Credits 3

Requirement
- MG319 - International Dimensions of Business

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	16

Requirement
- AC430 - Governmental and Not-for-Profit Accounting

Semester/Term Credits 3

Requirement
- MG341 - Business Law I

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- PH322 - Money, Meaning and Morality

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 4	Spring 4	12

Requirement
- AC400 - Data Analytics for Accountants

Semester/Term Credits 3

Requirement
- MG346 - Business Law II

Semester/Term Credits 3

Requirement
- MG449 - Administrative Policy and Strategy

Semester/Term Credits 3

Requirement
- MG227 - Principles of Marketing

Semester/Term Credits 3

Architectural Studies

Program Details

Simple Requisites

Architectural Studies (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Couses

-

Earn a minimum C- of 1.7 in the following:
- AP111 - Fundamentals of Architecture
- AP118 - Fundamentals of Architecture II
- AP211 - Architectural Design I
- AP212 - Architectural Design II

- AP311 - Architectural Design III
- AP312 - Architectural Design IV
- AP411 - Architectural Design V
- AP412 - Architectural Design VI

-

AND

Support Courses

-

Complete ALL of the following Courses:

- AP216 - Digital Media in Architecture
- AP221 - Site Development and Design
- AP225 - Introduction to Passive Environmental Systems
- AP244 - Building Resilience: Social and Environmental Justice in our Built Environment
- AP325 - Materials, Construction, and Design
- AP327 - Active Building Systems I
- AP328 - Active Building Systems II
- AP436 - Project Delivery and Documentation
- CE351 - Statics and Mechanics of Materials
- CE457 - Wood, Steel, and Concrete Structures
- FA201 - History/Theory of Architecture I
- FA202 - History/Theory of Architecture II
- FA250 - Topics in Art
- FA308 - History/Theory of Artchitectural III
- FA401 - Introduction to Research Methods for Architecture
- GR150 - Topics Course (Inactive)
- MA107 - Precalculus Mathematics
  OR MA108 - Applied Calculus
  OR MA121 - Calculus I
- MA220 - Geometry in Action
- PS201 - General Physics I
  OR PS211 - University Physics I
- SA111 - Foundations of Art and Architecture I
- SA112 - Foundations of Art and Architecture II
- SO218 - Intro to Cultural Competence

During the Junior Fall or Spring Semester, students must study abroad (preferably at CityLAB:Berlinn).

AND

Additional Courses or select a Minor

-

Complete ALL of the following Courses:

- AP403 - Architectural Seminar in History and Theory
- AP414 - Architectural Seminar In Design
- AP424 - Architectural Seminar in Technology
- AP434 - Architectural Seminar in Process

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Architecture & Art

Name	Tags
-	-

Activity
-

Assessment
Students will evaluate and analyze design criteria to formulate creative responses.

Outcome
Gain a way of thinking, rooted in the iterative, test-and-learn approach to creativity and innovation.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will apply principles and methods used in professional practice to create projects.

Outcome
Learn to utilize techniques, skills, conventions, and modern digital and hand tools and techniques necessary for professional practice.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will apply principles of technical architectural systems to create specific design responses.

Outcome
Understand structural systems, heating and cooling systems, circulation systems, building systems, etc.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will evaluate and prioritize design objectives in regard to environmental sustainability.nd

Outcome
Practice resilient and sustainable design.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will understand and synthesize complex combinations of material and construction systems.

Outcome
Learn materials and methods for construction.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will create a set of comprehensive construction documents.

Outcome
Prepare and deliver construction documents.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will evaluate ethical conditions and apply ethical decision making.

Outcome
Be trained in the ethics of the profession and learn to make ethical decisions.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will determine and appropriate their role as a team member / team leader.

Outcome
Function as a member of a multidisciplinary team and be able to assume leadership roles on the team.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
To synthesize experience gained in the classroom with experiences in professional practice.

Outcome
Understand and begin the process of architectural internship, training and registration necessary for the profession as well as the expectation for lifelong learning.

Justification
-

Admission Criteria
Residential programs admission. There are no additional criteria to declare this major.

Degree Map Name
Architectural Studies Sample Degree Plan
Degree Credits
130 - 134

Year	Term	Semester/Term Credits
Year 1	Fall 1	10 - 14

Requirement
- AP111 - Fundamentals of Architecture

Semester/Term Credits 4

Requirement
- SA111 - Foundations of Art and Architecture I

Semester/Term Credits 3

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- AP118 - Fundamentals of Architecture II

Semester/Term Credits 4

Requirement
- SA112 - Foundations of Art and Architecture II

Semester/Term Credits 3

Requirement
- FA201 - History/Theory of Architecture I

Semester/Term Credits 3

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Requirement
- MA220 - Geometry in Action

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	18

Requirement
- AP211 - Architectural Design I

Semester/Term Credits 5

Requirement
- AP225 - Introduction to Passive Environmental Systems

Semester/Term Credits 3

Requirement
- AP221 - Site Development and Design

Semester/Term Credits 3

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- AP216 - Digital Media in Architecture

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	17

Requirement
- FA202 - History/Theory of Architecture II

Semester/Term Credits 3

Requirement
- AP212 - Architectural Design II

Semester/Term Credits 5

Requirement
- AP325 - Materials, Construction, and Design

Semester/Term Credits 3

Requirement
- AP244 - Building Resilience: Social and Environmental Justice in our Built Environment

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	19

Requirement
- AP311 - Architectural Design III

Semester/Term Credits 5

Requirement
- AP327 - Active Building Systems I

Semester/Term Credits 3

Requirement
- CE351 - Statics and Mechanics of Materials

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 3	Spring 3	17

Requirement
- AP312 - Architectural Design IV

Semester/Term Credits 5

Requirement
- FA308 - History/Theory of Artchitectural III

Semester/Term Credits 3

Requirement
- FA250 - Topics in Art

Semester/Term Credits 3

Requirement
- GR150 - Topics Course (Inactive)

Semester/Term Credits 3

Requirement
- SO218 - Intro to Cultural Competence

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- AP411 - Architectural Design V

Semester/Term Credits 5

Requirement
- AP436 - Project Delivery and Documentation

Semester/Term Credits 4

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- AP403 - Architectural Seminar in History and Theory
  OR
- AP414 - Architectural Seminar In Design
  OR
- AP424 - Architectural Seminar in Technology
  OR
- AP434 - Architectural Seminar in Process

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	18

Requirement
- AP412 - Architectural Design VI

Semester/Term Credits 5

Requirement
- CE457 - Wood, Steel, and Concrete Structures

Semester/Term Credits 4

Requirement
- FA401 - Introduction to Research Methods for Architecture

Semester/Term Credits 3

Requirement

- AP328 - Active Building Systems II

Semester/Term Credits 3

Requirement

- AP403 - Architectural Seminar in History and Theory
  OR
- AP414 - Architectural Seminar In Design
  OR
- AP424 - Architectural Seminar in Technology
  OR
- AP434 - Architectural Seminar in Process

Semester/Term Credits 3

Biochemistry

Program Details

Simple Requisites

Biochemistry (B.S.) Requirements
Type
Completion Requirement

Major Requirements

-

Fulfill ALL of the following requirements:

General Chemistry

-

Earn a minimum C- of 1.7 in the following:

- CH103 - General Chemistry I
- CH104 - General Chemistry II

-

AND

Major Courses

-

Complete ALL of the following Courses:

- BI101 - Principles of Biology I
- BI102 - Principles of Biology II
- CH204 - Quantitative Analysis
- CH214 - Communication in Chemistry
- CH225 - Organic Chemistry I
- CH226 - Organic Chemistry II
- CH314 - Instrumental Methods
- CH315 - Analysis Laboratory
- CH324 - Biochemistry I
- CH325 - Biochemistry II
- CH327 - Physical Chemistry I
- CH328 - Physical Chemistry II
  OR CH438 - Advanced Inorganic Chemistry
- CH415 - Senior Seminar and Synthesis
- MA107 - Precalculus Mathematics
- MA121 - Calculus I

- MA122 - Calculus II
- MA232 - Elementary Statistics
- PS201 - General Physics I
  OR PS211 - University Physics I
- PS202 - General Physics II
  OR PS212 - University Physics II

MA107 Precalculus Mathematics is waived when eligible to enter MA 121.

CH421 Chem Synthesis & Examination I is recommended, although not required.

AND

Biology Elective

-

Complete at least 3 courses in the following course sets:

- Biology 200-399

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Chemistry & Biochemistry

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Chemistry and biochemistry majors will complete the ETS standardized chemistry major field exam and score on average in the 50th percentile or above.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Chemistry and biochemistry majors will develop the ability to read the primary literature; to follow procedures found in the literature; to perform a variety of modern laboratory techniques and produce quality results, and to communicate results orally and in writing.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Ninety percent of graduates who wish to pursue graduate or professional education will be accepted into programs; 100% of graduates desiring employment or commissioning directly from the undergraduate programs will be employed or commissioned within six months of graduation.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Biochemistry Sample Degree Plan
Degree Credits
112 - 120

Year	Term	Semester/Term Credits
Year 1	Fall 1	11 - 15

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	11 - 15

Requirement
- BI102 - Principles of Biology II

Semester/Term Credits 4

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- MA121 - Calculus I

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	16

Requirement
- CH214 - Communication in Chemistry

Semester/Term Credits 1

Requirement
- CH225 - Organic Chemistry I

Semester/Term Credits 4

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	14

Requirement
- CH226 - Organic Chemistry II

Semester/Term Credits 4

Requirement
- PS202 - General Physics II

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- Biology 200-399

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	13

Requirement
- CH204 - Quantitative Analysis

Semester/Term Credits 4

Requirement
- CH327 - Physical Chemistry I

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Biology 200-399

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- CH314 - Instrumental Methods

Semester/Term Credits 3

Requirement
- CH315 - Analysis Laboratory

Semester/Term Credits 1

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Biology 200-399

Semester/Term Credits 3

Requirement
- CH328 - Physical Chemistry II
  OR
- CH438 - Advanced Inorganic Chemistry

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- CH324 - Biochemistry I

Semester/Term Credits 4

Requirement
- Biology 200-399

Semester/Term Credits 4

Requirement
- Biology 200-399

Semester/Term Credits 4

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	16

Requirement
- CH325 - Biochemistry II

Semester/Term Credits 4

Requirement
- CH415 - Senior Seminar and Synthesis

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Biology

Program Details

Simple Requisites

Biology (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:
- BI101 - Principles of Biology I
- BI102 - Principles of Biology II
- BI205 - Ecology
- BI226 - Cell Biology
- BI303 - Genetics
- BI395 - Evolution
- BI401 - Senior Seminar
- BI426 - Ecological Parasitology

-

AND

Support Courses

-

Complete ALL of the following Courses:
- CH103 - General Chemistry I
- CH104 - General Chemistry II
- CH225 - Organic Chemistry I
- CH226 - Organic Chemistry II
- MA107 - Precalculus Mathematics

- MA108 - Applied Calculus
  OR MA232 - Elementary Statistics
- PS201 - General Physics I
- PS202 - General Physics II

MA 107 is waived when testing into MA 108, or higher.

AND

Upper-Level Biology Elective

A grade of C or higher is required.

Complete at least 3 courses in the following course sets:

- Biology 300-499

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Biology

Name
-

Tags
-

Activity
-

Assessment
na

Outcome
Graduates understand and have broad knowledge of the biological sciences including, but not limited to, botany, zoology, cell biology, genetics, evolution, and other laboratory-based sciences, as well as ecology and other field sciences.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
na

Outcome
Graduates are prepared for successful employment in a profession in the field of biology, or for graduate or professional school.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Biology Sample Degree Plan

Degree Credits
116 - 120

Year	Term	Semester/Term Credits
Year 1	Fall 1	11 - 15

Requirement

- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- BI102 - Principles of Biology II

Semester/Term Credits 4

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- MA108 - Applied Calculus

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	14

Requirement
- BI205 - Ecology

Semester/Term Credits 4

Requirement
- CH225 - Organic Chemistry I

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	17

Requirement
- BI226 - Cell Biology

Semester/Term Credits 4

Requirement
- CH226 - Organic Chemistry II

Semester/Term Credits 4

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	17

Requirement
- BI303 - Genetics

Semester/Term Credits 4

Requirement
- BI426 - Ecological Parasitology

Semester/Term Credits 3

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	17

Requirement
- BI395 - Evolution

Semester/Term Credits 4

Requirement
- Biology 300-499

Semester/Term Credits 3

Requirement
- PS202 - General Physics II

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	12

Requirement
- BI401 - Senior Seminar

Semester/Term Credits 3

Requirement
- Biology 300-499

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	13

Requirement
- Biology 300-499

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement

- Elective (Generic)

Semester/Term Credits 3

Engineering - Civil

Program Details

Simple Requisites

Civil Engineering (B.S.)
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- CE044 - Conference
- CE105 - Civil Engineering Applications
- CE211 - Surveying
- CE214 - Site Development and Engineering
- CE121 - Introduction to Civil Engineering Lab
  OR ME121 - Introduction to Mechanical Engineering Lab
  OR EE121 - Introduction to Electrical and Computer Engineering Lab
- CE264 - Specifications and Estimating
- CE321 - Materials Laboratory
- CE322 - Fluid Mechanics Laboratory
- CE328 - Soil Mechanics
- CE332 - Engineering Hydrology
- CE336 - Introduction to Transportation Engineering
- CE348 - Structural Analysis
- CE421 - Environmental Engineering
- CE460 - Construction Management
- CE479 - Senior Design Project I
- CE480 - Senior Design Project II
- CH103 - General Chemistry I
- CH104 - General Chemistry II
- EG201 - Engineering Mechanics-Statics
- EG301 - Mechanics of Materials
- EG303 - Fluid Mechanics
- EG350 - Engineering Economics and Decision Analysis
- EG450 - Professional Issues
- MA121 - Calculus I
- MA122 - Calculus II
- MA223 - Calculus III
- MA224 - Differential Equations
- PS211 - University Physics I
- WRIT204 - Professional and Technical Writing

-

AND

Engineering Elective

-

Complete at least 3 courses in the following course sets:

- Construction Management 200-499
- Electrical Engineering 200-499
- General Engineering 200-499
- Mechanical Engineering 200-499

Or a course approved by the Primary Academic Advisor and the Civil Engineering department chair.

AND

Science Elective

-

Earn at least 4 credits from the following:

- BI101 - Principles of Biology I
- BI102 - Principles of Biology II
- BI205 - Ecology
- BI220 - Introductory Microbiology
- GL110 - Introduction to Geology
- GL111 - Oceanography
- GL156 - Introduction to Earth Evolution
- GL253 - Geomorphology
- GL255 - Hydrogeology
- GL257 - Sedimentology
- GL262 - Structural Geology
- GL265 - Glacial Geology and Paleoclimate
- PS212 - University Physics II

A second Mathematics Elective may be taken in place of the second 3 credit Science Elective.

AND

Design Electives

-

Complete at least 4 of the following courses:

- CE419 - Foundation Engineering
- CE422 - Waste and Water Treatment
- CE442 - Design of Steel Structures
- CE444 - Reinforced Concrete Design

-

AND

Mathematics & Science Elective

-

Earn at least 3 credits from the following:

- ES115 - Geographic Information Systems
- MA212 - Finite Mathematics
- MA232 - Elementary Statistics
- MA240 - Introduction to Number Theory and Cryptology
- MA303 - Advanced Calculus I
- MA304 - Advanced Calculus II
- MA306 - Discrete Mathematics
- MA310 - Linear Algebra
- MA311 - Statistical Methodology
- MA318 - Cryptology
- MA332 - Advanced Statistical Methods
- MA370 - Introduction to Operations Research
- MA405 - Complex Analysis

Another Mathematics or science course 200-level or higher may be substituted subject to passing the prerequisite and with a positive recommendation from the academic advisor and the Civil Engineering department chair.

A Civil Engineering major is required to take the Fundamentals of Engineering (F.E.) exam, administered by the State of Vermont or another state, to complete the major.

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Engineering, School of

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
• Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Communicate effectively with a range of audiences

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives

Justification
-

Name	Tags
-	-
Activity	**Assessment**
-	ABET
Outcome	
Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	ABET
Outcome	**Justification**
Acquire and apply new knowledge as needed, using appropriate learning strategies	-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Civil Engineering Sample Degree Plan
Degree Credits
126 - 137

Year	Term	Semester/Term Credits
Year 1	Term 1	10 - 14

Requirement
- EG121 - Introduction to the Engineering Profession

Semester/Term Credits 1

Requirement
- CE121 - Introduction to Civil Engineering Lab

OR
- ME121 - Introduction to Mechanical Engineering Lab

OR
- EE121 - Introduction to Electrical and Computer Engineering Lab

Semester/Term Credits 2

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- MA121 - Calculus I

Semester/Term Credits 0 - 4

Requirement
- General Education Goal 1

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	14 - 17

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- CE105 - Civil Engineering Applications

Semester/Term Credits 0 - 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 3	18

Requirement
- CE211 - Surveying

Semester/Term Credits 3

Requirement
- CE264 - Specifications and Estimating

Semester/Term Credits 1

Requirement
- EG201 - Engineering Mechanics-Statics

Semester/Term Credits 3

Requirement
- MA223 - Calculus III

Semester/Term Credits 4

Requirement
- PS211 - University Physics I

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 4	14 - 18

Requirement
- CE214 - Site Development and Engineering

Semester/Term Credits 4

Requirement
- MA224 - Differential Equations

Semester/Term Credits 0 - 4

Requirement
- Science Elective (Generic)

Semester/Term Credits 4

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Requirement
- EG301 - Mechanics of Materials

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 5	17

Requirement
- CE321 - Materials Laboratory

Semester/Term Credits 1

Requirement
- CE336 - Introduction to Transportation Engineering

Semester/Term Credits 3

Requirement
- CE421 - Environmental Engineering

Semester/Term Credits 4

Requirement
- EG303 - Fluid Mechanics

Semester/Term Credits 3

Requirement
- EG350 - Engineering Economics and Decision Analysis

Semester/Term Credits 3

Requirement
- CE348 - Structural Analysis

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 6	17

Requirement
- CE322 - Fluid Mechanics Laboratory

Semester/Term Credits 1

Requirement
- CE328 - Soil Mechanics

Semester/Term Credits 4

Requirement
- CE332 - Engineering Hydrology

Semester/Term Credits 3

Requirement
- Design Elective (Generic)

Semester/Term Credits 3

Requirement
- Design Elective (Generic)

Semester/Term Credits 3

Requirement
- Science or Math Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Term 7	18

Requirement
- CE460 - Construction Management

Semester/Term Credits 3

Requirement
- CE479 - Senior Design Project I

Semester/Term Credits 3

Requirement
- CE044 - Conference

Semester/Term Credits -

Requirement
- EG450 - Professional Issues

Semester/Term Credits 3

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

Requirement
- Design Elective (Generic)

Semester/Term Credits 3

Requirement
- Design Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Term 8	18

Requirement
- CE480 - Senior Design Project II

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Chemistry

Program Details

Simple Requisites

Chemistry (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

General Chemistry

-

Earn a minimum C- of 1.7 in the following:

- CH103 - General Chemistry I
- CH104 - General Chemistry II

-

AND

Major Courses

CH421 Chem Synthesis & Examination I is recommended, although not required.

Complete ALL of the following Courses:

- BI101 - Principles of Biology I
- CH204 - Quantitative Analysis
- CH214 - Communication in Chemistry
- CH225 - Organic Chemistry I
- CH226 - Organic Chemistry II
- CH314 - Instrumental Methods
- CH315 - Analysis Laboratory
- CH324 - Biochemistry I
- CH327 - Physical Chemistry I
- CH328 - Physical Chemistry II
- CH337 - Physical Chemistry Laboratory I
- CH338 - Physical Chemistry Laboratory II
- CH415 - Senior Seminar and Synthesis
- CH438 - Advanced Inorganic Chemistry
- MA121 - Calculus I
- MA122 - Calculus II
- MA224 - Differential Equations
- MA232 - Elementary Statistics
- PS211 - University Physics I
- PS212 - University Physics II

-

AND

Science and Mathematic Electives

-

Complete at least 3 courses in the following course sets:

- Biology 200-499
- Chemistry 100-499
- Environmental Science 100-499
- Geology 100-499
- Mathematics 100-499
- Physics 100-499

-

AND

Science Elective

-

Complete at least 1 courses in the following course sets:

- Environmental Science 100-499
- Geology 100-499
- Physics 100-499

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Chemistry & Biochemistry

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Chemistry and biochemistry majors will complete the ETS standardized chemistry major field exam and score on average in the 50th percentile or above.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Chemistry and biochemistry majors will develop the ability to read the primary literature; to follow procedures found in the literature; to perform a variety of modern laboratory techniques and produce quality results, and to communicate results orally and in writing.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Ninety percent of graduates who wish to pursue graduate or professional education will be accepted into programs; 100% of graduates desiring employment or commissioning directly from the undergraduate programs will be employed or commissioned within six months of graduation.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Chemistry Sample Degree Plan
Degree Credits
114 - 122

Year	Term	Semester/Term Credits
Year 1	Fall 1	11 - 15

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- MA121 - Calculus I

Semester/Term Credits 0 - 4

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 1	Spring 1	14

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	16

Requirement
- CH214 - Communication in Chemistry

Semester/Term Credits 1

Requirement
- CH204 - Quantitative Analysis

Semester/Term Credits 4

Requirement
- CH225 - Organic Chemistry I

Semester/Term Credits 4

Requirement
- PS211 - University Physics I

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	11 - 15

Requirement
- CH226 - Organic Chemistry II

Semester/Term Credits 4

Requirement
- MA224 - Differential Equations

Semester/Term Credits 0 - 4

Requirement
- PS212 - University Physics II

Semester/Term Credits 4

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- CH327 - Physical Chemistry I

Semester/Term Credits 3

Requirement
- CH337 - Physical Chemistry Laboratory I

Semester/Term Credits 1

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	14

Requirement
- CH314 - Instrumental Methods

Semester/Term Credits 3

Requirement
- CH315 - Analysis Laboratory

Semester/Term Credits 1

Requirement
- CH328 - Physical Chemistry II

Semester/Term Credits 3

Requirement
- CH338 - Physical Chemistry Laboratory II

Semester/Term Credits 1

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	16

Requirement
- CH324 - Biochemistry I

Semester/Term Credits 4

Requirement
- Elective Course (Generic)
  OR
- CH421 - Chemical Synthesis and Examination I

Semester/Term Credits 3

Requirement
- MATH/SCIENCE MAJOR ELECTIVE (Generic)

Semester/Term Credits 3

Requirement
- MATH/SCIENCE MAJOR ELECTIVE (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	16

Requirement
- CH325 - Biochemistry II

Semester/Term Credits 4

Requirement
- CH415 - Senior Seminar and Synthesis

Semester/Term Credits 3

Requirement
- CH438 - Advanced Inorganic Chemistry

Semester/Term Credits 3

Requirement
- MATH/SCIENCE MAJOR ELECTIVE (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Criminal Justice BA

Program Details

Simple Requisites

Criminal Justice (B.A.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:
- CJ101 - Introduction to Criminal Justice
- CJ104 - Professionalism in Criminal Justice
- CJ212 - Criminal Law
- CJ214 - Criminal Procedure
- CJ308 - The Police
- CJ310 - The Courts
- CJ312 - Corrections
- CJ410 - Senior Seminar
  OR AD519 - Research Applications
- CRIM101 - Introduction to Criminology

-

AND

Criminal Justice Elective

AD518 Criminal Justice Administratio may meet one of the course requirements.

Complete at least 3 courses in the following course sets:
- Criminology 100-499
- Criminal Justice 100-499

A grade of C or higher is required.

AND

Support Courses

-

Complete ALL of the following Courses:

- CS120 - Business Applications & Problem Solving Techniques
- MA232 - Elementary Statistics
- PH324 - Criminal Justice Ethics
- PO321 - U.S. Constitutional Law
  OR PO324 - Civil Liberties
- CRIM209 - Methods of Social Science Research
- CRIM209L - Methods of Social Science Research Lab

A Criminal Justice major with a Computer Science Minor may take CS100 Found/Comp Sci&Info Assurance in place of CS120 Bus Apps & Problem Solving Tec.

AND

Social Science Elective

-

Complete at least 2 courses in the following course sets:

- Sociology 100-499

-

AND

Major Elective

-

Complete at least 1 courses in the following course sets:

- History 100-499
- Political Science 100-499
- Psychology 100-499
- Sociology 100-499

The major elective cannot also meet a General Education Requirement.

May also select from: AC201 Intro Accounting & Fin World, EC201 Principles of Economics Macro, MG309 Management of Organizations, MG341 Business Law I, MG351 Organizational Behavior, MG409 Organizational Leadership.

AND

Psychology Elective

-

Complete at least 1 courses in the following course sets:

- Psychology 100-499

-

-

Optional Add on Concentrations
Type
Completion Requirement

Select one or both

When selecting both concentrations, selected courses cannot overlap.

Fulfill ANY of the following requirements:

Emergency Management

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CJ327 - Emergency Management
- CJ403 - Criminal Justice Administration

-

AND

Choice Courses

-

Complete at least 3 of the following courses:

- CRIM306 - Victimology
- CJ322 - Victims Services
- CRIM316 - Criminal Violence
- CRIM330 - Terrorism
- CJ400 - Independent Study
- CJ430 - Homeland Security
- SO216 - Sociology of Health, Wellness & Medicine
- SO218 - Intro to Cultural Competence

May also take 3 credits in CJ405 Internship, with experience approved by the Criminal Justice Internship Coordinator.

-

OR

Victim Services

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CRIM306 - Victimology
- CJ322 - Victims Services

-

AND

Choice Courses

-

Complete at least 3 of the following courses:

- CJ327 - Emergency Management
- CJ305 - Juvenile Justice
- CJ314 - Restorative Justice
- SO202 - Problems of Modern Society
- SO216 - Sociology of Health, Wellness & Medicine
- SO218 - Intro to Cultural Competence
- SO316 - Aging in Society

May also take 3 credits in CJ405 Internship, with experience approved by the Criminal Justice Internship Coordinator.

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Arts

Program Level
Undergraduate

Program Type	College	School/Department(s)
Major	College of Arts & Sciences	Criminology & Criminal Justice, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Upon graduation, students will demonstrate a comprehensive knowledge of the field as measured by the following assessment indicators of the ETS (Educational Testing Service) Field Test in Criminal Justice.

Justification
-

Admission Criteria
Accelerated Master's Track into the Master of Public Administration

A student will typically self-identify or be invited by an advisor/professor at the beginning of either the freshmen or sophomore year [13-27 credit hours] year after fall semester grades are posted.

The accelerated track requires a letter of intent, two letters of recommendation from faculty, and a resume to be submitted typically by the beginning of the student's sophomore or junior year [27-57 credit hours]. The track also requires an overall GPA of 2.75.

The student must earn a 2.75 or better in the following courses: AD518 Criminal Justice Administratio and AD519 Research Applications which will then be substituted so that requirements are met for Public Administration and Research (AD 521).

Normally, the CJ student graduates in May with an undergraduate degree and enters the MPA program in June with five courses to complete the MPA degree.

The student accepted to participate in the accelerated master's track will have a guaranteed seat within the MPA Master's program when the admission criteria is met.

Degree Map Name
Criminal Justice Sample Degree Plan
Degree Credits
124

Year	Term	Semester/Term Credits
Year 1	Fall 1	16

Requirement
- CJ101 - Introduction to Criminal Justice

Semester/Term Credits 3

Requirement
- Language (prerequisite) (Generic)

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- CRIM101 - Introduction to Criminology

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- CS120 - Business Applications & Problem Solving Techniques

Semester/Term Credits 3

Requirement
- BA Language

Semester/Term Credits 4

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- CJ104 - Professionalism in Criminal Justice

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- CRIM209 - Methods of Social Science Research
- **AND** CRIM209L - Methods of Social Science Research Lab

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- PY211 - Introduction to Psychology (Inactive)

Semester/Term Credits 3

Requirement
- CJ212 - Criminal Law

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- Social Science Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- CJ214 - Criminal Procedure

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- CJ308 - The Police

Semester/Term Credits 3

Requirement
- PH324 - Criminal Justice Ethics

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Social Science Elective (Generic)

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- CJ310 - The Courts

Semester/Term Credits 3

Requirement
- CJ312 - Corrections

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Criminal Justice Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- Criminal Justice Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- PO321 - U.S. Constitutional Law
  OR
- PO324 - Civil Liberties

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- CJ410 - Senior Seminar

Semester/Term Credits 3

Requirement
- Criminal Justice Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Construction Management

Program Details

Simple Requisites

Construction Management (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- AP225 - Introduction to Passive Environmental Systems
- AP325 - Materials, Construction, and Design
- AP327 - Active Building Systems I
- CE105 - Civil Engineering Applications
- CE121 - Introduction to Civil Engineering Lab
  OR EE121 - Introduction to Electrical and Computer Engineering Lab
  OR ME121 - Introduction to Mechanical Engineering Lab
- CE211 - Surveying
- CE214 - Site Development and Engineering
- CE264 - Specifications and Estimating
- CE321 - Materials Laboratory
- CE336 - Introduction to Transportation Engineering
- CE351 - Statics and Mechanics of Materials
- CE446 - Soils in Construction
- CE457 - Wood, Steel, and Concrete Structures
- CE460 - Construction Management
- CH103 - General Chemistry I
  OR GL110 - Introduction to Geology
- EC202 - Principles of Economics (Micro)
- MA107 - Precalculus Mathematics
- MA108 - Applied Calculus
  OR MA121 - Calculus I
- MA232 - Elementary Statistics
  OR QM213 - Business and Economic Statistics I
- MG310 - Production/Operations Management
- MG341 - Business Law I
- MG351 - Organizational Behavior
- PS201 - General Physics I
- SA112 - Foundations of Art and Architecture II
- EG121 - Introduction to the Engineering Profession
- EG350 - Engineering Economics and Decision Analysis
- EGCM044 - Conference
- EGCM210 - Building Information Modeling and Integrated Practices

- EGCM220 - Advanced Project Estimating
- EGCM320 - Construction Productivity
- EGCM322 - Construction Safety
- EGCM324 - Special Construction Systems
- EGCM401 - Pre-Construction Mgt
- EGCM412 - Construction Administration
- EGCM461 - Project Management
- EGCM479 - Senior Design Project I
- EGCM480 - Senior Design Project II
- WRIT204 - Professional and Technical Writing

-

A passing score on the comprehensive Construction Management exam is required.

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Engineering, School of

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Formulate or design a system, process, procedure or program to meet desired needs.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Communicate effectively with a range of audiences.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
ABET

Outcome
Develop and conduct experiments or test hypotheses, analyze and interpret data and use scientific judgment to draw conclusions.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Construction Management Sample Degree Plan
Degree Credits
125 - 129

Year	Term	Semester/Term Credits
Year 1	Term 1	13 - 17

Requirement
- GL110 - Introduction to Geology
  OR
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- EG121 - Introduction to the Engineering Profession

Semester/Term Credits 1

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- EE121 - Introduction to Electrical and Computer Engineering Lab
  OR
- CE121 - Introduction to Civil Engineering Lab
  OR
- ME121 - Introduction to Mechanical Engineering Lab

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 1	Term 2	15

Requirement

- MA108 - Applied Calculus
  OR
- MA121 - Calculus I

Semester/Term Credits 3

Requirement

- SA112 - Foundations of Art and Architecture II

Semester/Term Credits 3

Requirement

- Goal 1: General Education

Semester/Term Credits 3

Requirement

- Goal 3: History General Education

Semester/Term Credits 3

Requirement

- CE105 - Civil Engineering Applications

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 3	18

Requirement

- AP225 - Introduction to Passive Environmental Systems

Semester/Term Credits 3

Requirement

- CE211 - Surveying

Semester/Term Credits 3

Requirement

- CE264 - Specifications and Estimating

Semester/Term Credits 1

Requirement

- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement

- PS201 - General Physics I

Semester/Term Credits 4

Requirement

- EGCM210 - Building Information Modeling and Integrated Practices

Semester/Term Credits 4

Year	Term	Semester/Term Credits

Year 2	Term 4	16

Requirement
- AP325 - Materials, Construction, and Design

Semester/Term Credits 3

Requirement
- CE214 - Site Development and Engineering

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

OR
- QM213 - Business and Economic Statistics I

Semester/Term Credits 3

Requirement
- EGCM220 - Advanced Project Estimating

Semester/Term Credits 3

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 5	16

Requirement
- AP327 - Active Building Systems I

Semester/Term Credits 3

Requirement
- CE336 - Introduction to Transportation Engineering

Semester/Term Credits 3

Requirement
- CE351 - Statics and Mechanics of Materials

Semester/Term Credits 4

Requirement
- CE460 - Construction Management

Semester/Term Credits 3

Requirement
- EG350 - Engineering Economics and Decision Analysis

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 6	16

Requirement
- CE457 - Wood, Steel, and Concrete Structures

Semester/Term Credits 4

Requirement
- EGCM320 - Construction Productivity

Semester/Term Credits 3

Requirement
- EGCM322 - Construction Safety

Semester/Term Credits 3

Requirement
- EGCM324 - Special Construction Systems

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Term 7	16

Requirement
- CE321 - Materials Laboratory

Semester/Term Credits 1

Requirement
- CE458 - Structural Issues for Construction

Semester/Term Credits 3

Requirement
- EGCM044 - Conference

Semester/Term Credits -

Requirement
- MG341 - Business Law I

Semester/Term Credits 3

Requirement
- EGCM401 - Pre-Construction Mgt

Semester/Term Credits 3

Requirement
- EGCM461 - Project Management

Semester/Term Credits 3

Requirement
- EGCM479 - Senior Design Project I

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Term 8	15

Requirement
- CE446 - Soils in Construction

Semester/Term Credits 3

Requirement
- MG310 - Production/Operations Management

Semester/Term Credits 3

Requirement
- MG351 - Organizational Behavior

Semester/Term Credits 3

Requirement
- EGCM412 - Construction Administration

Semester/Term Credits 3

Requirement
- EGCM480 - Senior Design Project II

Semester/Term Credits 3

Criminology

Program Details

Simple Requisites

Criminology (B.S.) Requirements
Type
Completion Requirement

Core Courses

-

Earn a minimum C of 2.0 in the following:
- CJ101 - Introduction to Criminal Justice
- CRIM101 - Introduction to Criminology

-

Core Elective

A grade of C or higher is required.

Complete at least 3 courses in the following course sets:
- Criminal Justice 100-499
- Criminology 100-499

-

Support Courses

-

Complete ALL of the following Courses:
- CH100 - Introduction to Forensic Science
- CRIM201 - Advanced Criminology
- CRIM209 - Methods of Social Science Research
- CRIM209L - Methods of Social Science Research Lab

- CRIM309 - Advanced Methods of Social Science Research
- CRIM316 - Criminal Violence
- CRIM410 - Capstone Seminar
- MA232 - Elementary Statistics
- PH324 - Criminal Justice Ethics
- PY110 - Introduction to Psychology
- PY212 - Abnormal Psychology
- PY234 - Forensic Psychology
- SO214 - Racial and Cultural Minorities
- SO325 - Deviance
- SO201 - Introduction to Sociology
  OR SO202 - Problems of Modern Society
- WRIT204 - Professional and Technical Writing

-

Upper-Level Psychology

-

Complete at least 1 courses in the following course sets:

- Psychology 300-499

-

Optional add-on Concentration

-

Fulfill ANY of the following requirements:

Victimology Concentration

-

Fulfill ALL of the following requirements:

Victimology Courses

-

Complete ALL of the following Courses:

- CRIM306 - Victimology
- CJ322 - Victims Services

-

AND

Support Courses

-

Complete at least 4 of the following courses:

- CJ405 - Internship
- CRIM320 - Drugs and Society
- CRIM400 - Independent Study
- CRIM425 - Interpersonal Violence
- SO218 - Intro to Cultural Competence
- SO316 - Aging in Society

-

A student with a major in Criminal Justice and adding either the Emergency Management or Victim Services concentrations cannot add the Victimology concentration to the Criminology major.

OR

Criminal Forensics

-

Earn at least 18 credits from the following:

- CJ300 - Topics in Criminal Justice
- CJ405 - Internship
- CJ423 - Evidence
- CRIM311 - Topics Course
- CRIM320 - Drugs and Society
- CRIM444 - Crime Analysis and Mapping

CH299 "Molecular Forensics" may also be taken.

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Provide students an educational pathway to understand crime and criminal behavior in preparation for a career focused on social and human service occupations related to criminal, juvenile, and social justice

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Critically apply criminological principles to situations related to crime, specific contexts, policies, and practices

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Develop a fundamental commitment to ethical research, analysis, and practice, and will demonstrate the ability to apply these principles to careers in criminology or related fields

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Acquire the methodological, analytical, and cultural skills needed to interpret available information related to crime and criminal behavior

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Criminology Sample Degree Plan

Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	Fall 1	12

Requirement
- CRIM101 - Introduction to Criminology

Semester/Term Credits 3

Requirement
- SO201 - Introduction to Sociology
  OR
- SO202 - Problems of Modern Society

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- CJ101 - Introduction to Criminal Justice

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	16

Requirement
- CRIM209 - Methods of Social Science Research
- **AND** CRIM209L - Methods of Social Science Research Lab

Semester/Term Credits 4

Requirement
- SO214 - Racial and Cultural Minorities

Semester/Term Credits 3

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Requirement
- PY212 - Abnormal Psychology

Semester/Term Credits 3

Requirement
- Criminal Justice 100-499
  OR
- Criminology 100-499

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	16

Requirement
- CRIM201 - Advanced Criminology

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Criminal Justice 100-499
  OR
- Criminology 100-499

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- CRIM316 - Criminal Violence

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- PH324 - Criminal Justice Ethics

Semester/Term Credits 3

Requirement
- SO325 - Deviance

Semester/Term Credits 3

Requirement
- CH100 - Introduction to Forensic Science

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- CRIM309 - Advanced Methods of Social Science Research

Semester/Term Credits 3

Requirement
- PY234 - Forensic Psychology

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement

- Criminal Justice 100-499
  OR
- Criminology 100-499

Semester/Term Credits 3

Requirement

- Elective (Generic)

Semester/Term Credits 3

Requirement

- Elective (Recommend Lab Science) (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement

- CRIM410 - Capstone Seminar
  OR
- CJ410 - Senior Seminar

Semester/Term Credits 3

Requirement

- Psychology 300-499

Semester/Term Credits 3

Requirement

- Elective (Generic)

Semester/Term Credits 3

Requirement

- Elective (Generic)

Semester/Term Credits 3

Requirement

- Elective (Generic)

Semester/Term Credits 3

Computer Science

Program Details

Simple Requisites

Computer Science (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:

- CS100 - Foundations of Computer Science and Information Assurance
- CS140 - Programming and Computing

A sufficient score on the credit-by-exam for CS 100 is permitted.

AND

Support Courses

-

Complete ALL of the following Courses:

- CS111 - Personal & Professional Cyber Safety
- CS142 - Introduction to Python Programming
- CS228 - Introduction to Data Structures
- CS240 - Database Management
- CS260 - Data Communications and Networks
- CS270 - Operating Systems & Parallelism
- CS301 - Software Engineering
- CS312 - Assembly Language and Reverse Engineering
- CS420 - Computer Science capstone I
  OR CS430 - Computer Science Undergraduate Thesis I
- CS421 - Computer Science capstone II
  OR CS431 - Computer Science Undergraduate Thesis II
- EE215 - Fundamentals of Digital Design
- EE321 - Embedded Systems
- MA121 - Calculus I
- MA122 - Calculus II
- MA232 - Elementary Statistics
  OR QM213 - Business and Economic Statistics I
- MA223 - Calculus III
  OR MA224 - Differential Equations
  OR MA240 - Introduction to Number Theory and Cryptology
  OR MA241 - Mathematical Computation and Modeling
  OR MA309 - Algebraic Structures
  OR MA318 - Cryptology
  OR MA421 - Number Theory
- MA306 - Discrete Mathematics
- MA380 - Theory of Computation
- PH215 - Survey of Ethics
  OR PH322 - Money, Meaning and Morality

MA107 Precalculus Mathematics is waived when Math Placement into MA121 Calculus I.

AND

Technical Electives

-

Complete at least 4 courses in the following course sets:

- Computer Science 250-299
- Computer Science 301-499
- Digital Forensics 242-499
- Electrical Engineering 200-499
- Information Assurance 241-499
- Information Warfare 300-499

May also select from: GI510 Intro to Information Assurance or GI511 Management of Info Assurance.

CS410 Computing Internship is repeatable and it is limited to meet no more than two technical electives.

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Cybersecurity & Advanced Computing, School of

Name -	**Tags** -
Activity -	**Assessment** NA
Outcome Be competent in theoretical and mathematical foundations of computer science;	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** NA
Outcome Be proficient in at least one programming language and have a basic knowledge of at least one other;	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** NA
Outcome Understand the hardware and software architecture of computer systems;	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** NA
Outcome Demonstrate the ability to participate in professional practices related to software engineering;	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** NA
Outcome Be able to communicate effectively about computer science-related topics; and,	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** NA
Outcome Demonstrate the ability to be responsible practitioners of computer science and understand the social and ethical implications of computing.	**Justification** -

Admission Criteria
Accelerated Master's

This major offers an accelerated pathway to complete both a Bachelor of Science (BS) with a major in Computer Science and a Master of Science (MS) with a major in Cybersecurity, in five years as a full-time student.

Students requesting admission into the Master of Science program in Cybersecurity will typically be expected to earn at least a grade of "B" in graduate-level coursework as a part of the accelerated master's and a minimum overall cumulative undergraduate Bachelor's GPA of 3.0.

Two graduate-level courses must be taken during the student's undergraduate junior or senior year. These courses, which will count toward both the student's B.S. and M.S. requirements, are: GI510 Intro to Information Assurance and GI511 Management of Info Assurance.

A candidate for the accelerated master's will typically self-identify or be invited by an advisor/professor at the beginning of either the freshmen or sophomore year [13-27 credit hours] after fall semester grades are posted.

Application Requirements

- A letter of intent
- Two letters of recommendation from faculty, and
- A resume

The required application documents should be submitted to the School typically no later than the second term of the student's sophomore year [27-57 credit hours]. These items are similar to those used to seek admittance to the Master of Science, Cybersecurity program.

Upon approval by the School Director or Asst. Director and the College of Graduate and Continuing Studies Program Manager an approved student may submit a request to enroll in the required CGCS courses. Those who receive approval and register for the courses must still meet graduate program standards.

Degree Map Name
Computer Science Sample Plan
Degree Credits
116 - 124

Year	Term	Semester/Term Credits
Year 1	1	10 - 14

Requirement
- CS100 - Foundations of Computer Science and Information Assurance

Semester/Term Credits 3

Requirement
- CS111 - Personal & Professional Cyber Safety

Semester/Term Credits 1

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	15 - 19

Requirement
- CS142 - Introduction to Python Programming

Semester/Term Credits 3

Requirement
- MA121 - Calculus I

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	3	16

Requirement
- CS140 - Programming and Computing

Semester/Term Credits 4

Requirement
- EE215 - Fundamentals of Digital Design

Semester/Term Credits 4

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	4	16

Requirement
- CS228 - Introduction to Data Structures

Semester/Term Credits 3

Requirement
- CS240 - Database Management

Semester/Term Credits 3

Requirement
- CS260 - Data Communications and Networks

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	5	17

Requirement
- EE321 - Embedded Systems

Semester/Term Credits 4

Requirement
- MA306 - Discrete Mathematics

Semester/Term Credits 3

Requirement
- QM213 - Business and Economic Statistics I

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- CS312 - Assembly Language and Reverse Engineering

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 3	6	15

Requirement
- CS270 - Operating Systems & Parallelism

Semester/Term Credits 3

Requirement
- CS301 - Software Engineering

Semester/Term Credits 3

Requirement
- MA380 - Theory of Computation

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	7	15

Requirement
- CS420 - Computer Science capstone I

Semester/Term Credits 3

Requirement
- PH215 - Survey of Ethics

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	8	12

Requirement
- CS421 - Computer Science capstone II

Semester/Term Credits 3

Requirement
- Math Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Engineering - Electrical and Computer

Program Details

Simple Requisites

Electrical & Computer Engineering (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- CH103 - General Chemistry I
- EE100 - Electrical Engineering Applications
- EE121 - Introduction to Electrical and Computer Engineering Lab
  OR ME121 - Introduction to Mechanical Engineering Lab
  OR CE121 - Introduction to Civil Engineering Lab
- EE200 - Engineering Programming
- EE204 - Electrical Circuits I
- EE215 - Fundamentals of Digital Design
- EE303 - Electromagnetic Field Theory I
- EE321 - Embedded Systems
- EE323 - Computer Architecture
- EE350 - Linear Systems
- EE356 - Electrical Circuits II
- EE357 - Electronics I
- EE359 - Electrical Engineering Laboratory
- EE366 - Electronics II
- EE373 - Electrical Energy Conversion
- EE463 - Communication Systems
- EE478 - Control Systems
- EE487 - Digital Signal Processing Lab
- EE491 - Electrical System Design I
- EE494 - Electrical System Design II
- EG206 - Thermodynamics I
- EG450 - Professional Issues
- MA223 - Calculus III
- MA224 - Differential Equations
- MA306 - Discrete Mathematics
- MA311 - Statistical Methodology
- PS211 - University Physics I
- PS212 - University Physics II
- WRIT204 - Professional and Technical Writing

-

AND

Systems

-

Fulfill ANY of the following requirements:

Systems Option A

-

Complete ALL of the following Courses:

- EE202 - Engineering Artificial Intelligence
- EE459 - Electric Power Systems

- EE486 - Digital Signal Processing

-

OR

Systems Option B

-

Fulfill ALL of the following requirements:

Systems Area

-

Complete at least 2 of the following courses:

- EE202 - Engineering Artificial Intelligence
- EE459 - Electric Power Systems
- EE486 - Digital Signal Processing

-

AND

Systems Elective

-

Complete at least 1 of the following courses:

- CS301 - Software Engineering
- EE411 - Infrastructure Control Systems
- EE486 - Digital Signal Processing
- EG301 - Mechanics of Materials
- EG303 - Fluid Mechanics
- EG350 - Engineering Economics and Decision Analysis
- EG400 - Design Thinking and Innovation
- EG447 - Special Projects (Technical Elective)
- MA303 - Advanced Calculus I
- MA310 - Linear Algebra
- MA312 - Statistical Methodology II
- MA380 - Theory of Computation
- MA405 - Complex Analysis
- MA407 - Vector Analysis
- ME307 - Thermodynamics II
- PS334 - Classical Mechanics
- PS356 - Thermal & Statistical Physics
- PS341 - Modern Physics
- PS426 - Electricity and Magnetism

-

-

Must also select Systems Option A or B.

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Engineering, School of

Name	Tags
-	-

Assessment
The program chair (or coordinator) tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

Justification
-

Name
-

Tags
-

Assessment
The program chair (or coordinator) tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

Justification
-

Name
-

Tags
-

Assessment
The program chair (or coordinator) tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Communicate effectively with a range of audiences.

Justification
-

Name
-

Tags
-

Assessment
The program chair (or coordinator) tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

Justification
-

Name
-

Tags
-

Assessment
The program chair (or coordinator) tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

Justification
-

Name
-

Tags
-

Assessment
The program chair (or coordinator) tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

Justification
-

Name
-

Tags
-

Assessment
The program chair (or coordinator) tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Acquire and apply new knowledge as needed, using appropriate learning strategies.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Electrical & Computer Engineering Sample Degree Plan
Degree Credits
131 - 135

Year	Term	Semester/Term Credits
Year 1	Fall 1	17

Requirement
- EG121 - Introduction to the Engineering Profession

Semester/Term Credits 4

Requirement

- EE121 - Introduction to Electrical and Computer Engineering Lab
  OR
- ME121 - Introduction to Mechanical Engineering Lab
  OR
- CE121 - Introduction to Civil Engineering Lab

Semester/Term Credits 2

Requirement

- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement

- MA121 - Calculus I

Semester/Term Credits 4

Requirement

- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement

- EE200 - Engineering Programming

Semester/Term Credits 3

Requirement

- MA122 - Calculus II

Semester/Term Credits 4

Requirement

- EE100 - Electrical Engineering Applications

Semester/Term Credits 3

Requirement

- Goal 1: General Education

Semester/Term Credits 3

Requirement

- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	18

Requirement

- EE215 - Fundamentals of Digital Design

Semester/Term Credits 4

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Requirement
- MA223 - Calculus III

Semester/Term Credits 4

Requirement
- PS211 - University Physics I

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	14 - 18

Requirement
- EE356 - Electrical Circuits II

Semester/Term Credits 3

Requirement
- EE357 - Electronics I

Semester/Term Credits 3

Requirement
- EE359 - Electrical Engineering Laboratory

Semester/Term Credits 1

Requirement
- MA224 - Differential Equations

Semester/Term Credits 0 - 4

Requirement
- PS212 - University Physics II

Semester/Term Credits 4

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	17

Requirement
- EE321 - Embedded Systems

Semester/Term Credits 4

Requirement
- EE350 - Linear Systems

Semester/Term Credits 3

Requirement
- EE366 - Electronics II

Semester/Term Credits 4

Requirement
- MA306 - Discrete Mathematics

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- EE303 - Electromagnetic Field Theory I

Semester/Term Credits 3

Requirement
- EE373 - Electrical Energy Conversion

Semester/Term Credits 4

Requirement
- EG206 - Thermodynamics I

Semester/Term Credits 3

Requirement
- EN204 - Professional and Technical Writing (Inactive)

Semester/Term Credits 3

Requirement
- EE Course Option A (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	16

Requirement
- EE491 - Electrical System Design I

Semester/Term Credits 3

Requirement
- EE463 - Communication Systems

Semester/Term Credits 4

Requirement
- EG450 - Professional Issues

Semester/Term Credits 3

Requirement
- MA311 - Statistical Methodology

Semester/Term Credits 3

Requirement
- EE Course Option B (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	17

Requirement
- EE Course Option A (Generic)

Semester/Term Credits 4

Requirement
- EE Course Option B (Generic)

Semester/Term Credits 3

Requirement
- EE Course Option B (Generic)

Semester/Term Credits 3

Requirement
- EE487 - Digital Signal Processing Lab

Semester/Term Credits 1

Requirement
- EE494 - Electrical System Design II

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Education

Program Details

Simple Requisites

Education Major (B.S.) Requirements
Type
Completion Requirement

Core Courses

-

Earn a minimum B of 3.0 in the following:

- ED104 - Foundations of Education
- ED234 - Learning and Teaching Strategies
- ED315 - Special Needs Child
- ED432 - Curriculum and Methods of Instruction
- PY110 - Introduction to Psychology
- PY352 - Learning and Memory
- SO214 - Racial and Cultural Minorities

-

Concentration

-

Fulfill ANY of the following requirements:

Elementary Education Concentration

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- ED262 - Child Growth and Development
- ED351 - Methods of Teaching Science to Elementary Students
- ED364 - Language and Literacy I
- ED367 - Language and Literacy II
- ED377 - Instructional Methods in the Social Studies
- MA160 - Mathematics for Elementary School Teachers I
- MA161 - Mathematics for Elementary School Teachers II
- MA360 - Teaching Mathematics at the Elementary - Middle School Level

-

AND

Student Teaching

-

Earn at least 12 credits from the following:

- ED425 - Student Teaching

-

-

OR

Non-Licensure Education Concentration

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- ED262 - Child Growth and Development
- ED351 - Methods of Teaching Science to Elementary Students
- ED364 - Language and Literacy I
- ED367 - Language and Literacy II
- ED377 - Instructional Methods in the Social Studies
- MA160 - Mathematics for Elementary School Teachers I

- MA161 - Mathematics for Elementary School Teachers II
- MA360 - Teaching Mathematics at the Elementary - Middle School Level

-

AND

Practical Experience or Elective

Credits from ED 100-499 may also meet this requirement.

Earn at least 12 credits from the following:

- ED425 - Student Teaching
- ED480 - Education Internship

-

-

Must select one concentration. Follow the link for Secondary Education in Mathematics or Physical Education and declare either major independently or in addition to Education.

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Students will be able to apply their knowledge of learner development, learner differences, learning environments, content knowledge, and assessment to plan for and execute instruction using a variety of different instructional strategies that meet the needs of all learners.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Students will be able to apply content in authentic, meaningful ways that promotes critical thinking, problem solving, creativity, and engagement for their students.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Students will analyze the field of education including major concepts of teaching and learning, theoretical constructs, and historical foundations.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Students will reflect on their own development as a teacher in order to set a pattern of life-long, professional learning, and ethical practice.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Students will demonstrate growth in teaching skills, strategies, and dispositions.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Students will demonstrate their ability to provide culturally-responsive teaching that aims to eradicate discrimination and bias in the classroom.

Justification
-

Admission Criteria
Admission to Student Teaching for Licensure Seeking

Prior to being allowed into Student Teaching, students have senior standing, have completed all required courses for the endorsement areas being sought, have fulfilled GPA requirements (see below), have been recommended by faculty in both Education, and in the major / concentration, have passed Praxis requirements (see below), and completed the Application to Student Teach by the required deadline.

Grade Point Average Requirements for Licensure Seeking

In order to successfully complete the Licensure option at Norwich University, students are required to have a 3.0 GPA both in Education, and overall. Secondary Education students must have achieved a 3.0 in Education courses, have a 3.0 in subject major courses, have a 3.0 average overall. This GPA requirement must be attained by Licensure option students before being placed in Student Teaching and before graduation. In order to be recommended for licensure, all Licensure option candidates must earn a B or better for Student Teaching.

Praxis Requirements for Licensure Seeking

All Education majors seeking recommendation for licensure are required to take the Praxis Core Academic Skills for Educators (Core) test and the Praxis II Content Tests before they will be admitted into Student Teaching. The Praxis Core tests “measure academic skills in reading, writing, and mathematics deemed by teacher educators to be essential for all candidates preparing to be a teacher, no matter what content area or grade-level they aspire to teach” (ETS, 2019). Praxis Core should be taken and passed before the conclusion of the sophomore year. Praxis II is an assessment of content specific material and instructional pedagogy. For Elementary Education majors, this includes mathematics, language arts, science, and social studies. Praxis II should be taken around the spring of the junior year. Both Praxis tests are to be passed, with results received by the Director of Education Teacher Licensure prior to placement in Student Teaching. Other licensure requirements, such as the licensure portfolio and fingerprints, are articulated in the Student Teaching Handbook. All students preparing to Student Teach must apply by a specified deadline set forth by the Director of Education. The Student Teaching Application is available upon request, it will be sent via email to all Education students who have declared an Education major, and it will be discussed each fall at the Education Advising Plenary.

Degree Map Name
Education Non-Licensure Sample Degree Plan
Degree Credits
122

Year	Term	Semester/Term Credits
Year 1	Fall 1	15

Requirement
- ED104 - Foundations of Education

Semester/Term Credits 3

Requirement
- MA160 - Mathematics for Elementary School Teachers I

Semester/Term Credits 3

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- ED262 - Child Growth and Development

Semester/Term Credits 3

Requirement
- MA161 - Mathematics for Elementary School Teachers II

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	13

Requirement
- ED324 - Educat Psych (Inactive)

Semester/Term Credits 4

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	16

Requirement
- ED315 - Special Needs Child

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- ED364 - Language and Literacy I

Semester/Term Credits 4

Requirement
- MA360 - Teaching Mathematics at the Elementary - Middle School Level

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- ED351 - Methods of Teaching Science to Elementary Students

Semester/Term Credits 3

Requirement
- ED367 - Language and Literacy II

Semester/Term Credits 3

Requirement
- PY352 - Learning and Memory

Semester/Term Credits 4

Requirement
- SO214 - Racial and Cultural Minorities

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	19

Requirement
- ED377 - Instructional Methods in the Social Studies

Semester/Term Credits 3

Requirement
- ED432 - Curriculum and Methods of Instruction

Semester/Term Credits 4

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	12

Requirement

- ED480 - Education Internship

Semester/Term Credits 12

Degree Map Name
Elementary Education Sample Degree Plan
Degree Credits
123

Year	Term	Semester/Term Credits
Year 1	Fall 1	15

Requirement

- ED104 - Foundations of Education

Semester/Term Credits 3

Requirement

- MA160 - Mathematics for Elementary School Teachers I

Semester/Term Credits 3

Requirement

- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement

- Goal 1: General Education

Semester/Term Credits 3

Requirement

- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement

- ED262 - Child Growth and Development

Semester/Term Credits 3

Requirement

- MA161 - Mathematics for Elementary School Teachers II

Semester/Term Credits 3

Requirement

- Goal 1: General Education

Semester/Term Credits 3

Requirement

- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	14

Requirement
- Course Set Not Found

Semester/Term Credits 4

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- ED234 - Learning and Teaching Strategies

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	Spring 2	16

Requirement
- ED315 - Special Needs Child

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- ED364 - Language and Literacy I

Semester/Term Credits 4

Requirement
- MA360 - Teaching Mathematics at the Elementary - Middle School Level

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- ED351 - Methods of Teaching Science to Elementary Students

Semester/Term Credits 3

Requirement
- ED367 - Language and Literacy II

Semester/Term Credits 3

Requirement
- PY352 - Learning and Memory

Semester/Term Credits 4

Requirement
- SO214 - Racial and Cultural Minorities

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	19

Requirement
- ED377 - Instructional Methods in the Social Studies

Semester/Term Credits 3

Requirement
- ED432 - Curriculum and Methods of Instruction

Semester/Term Credits 4

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	12

Requirement
- ED425 - Student Teaching

Semester/Term Credits 12

Interdisciplinary Engineering

Program Details

Simple Requisites

Engineering (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- CH103 - General Chemistry I
- EE121 - Introduction to Electrical and Computer Engineering Lab
  OR CE121 - Introduction to Civil Engineering Lab
  OR ME121 - Introduction to Mechanical Engineering Lab
- EE100 - Electrical Engineering Applications
  OR CE105 - Civil Engineering Applications
- EE200 - Engineering Programming
- EE206 - Electric Circuits for Non Electrical Engineering Majors
  OR EE204 - Electrical Circuits I
- EG121 - Introduction to the Engineering Profession
- EG201 - Engineering Mechanics-Statics
- EG202 - Engineering Mechanics-Dynamics
- EG206 - Thermodynamics I
- EG301 - Mechanics of Materials
- EG303 - Fluid Mechanics

- EG350 - Engineering Economics and Decision Analysis
- EG450 - Professional Issues
- MA121 - Calculus I
- MA122 - Calculus II
- PS211 - University Physics I
- EG470 - Interdisciplinary Engineering Design I
  AND EG471 - Interdisciplinary Engineering Design II
- WRIT204 - Professional and Technical Writing

An additional option to EE 100 or CE 105, a student may elect to take ME211 Mechanical Engineering Tools I and ME100 Intro to Mech Engineering.

AND

Engineering Area

-

Complete at least 4 courses in the following course sets:

- Mechanical Engineering 200-499
- Civil Engineering 200-499
- Electrical Engineering 200-499
- General Engineering 200-499

May also take EGCM 220 or EGCM 401

AND

Engineering, Math, and Science

-

Complete at least 1 courses in the following course sets:

- Electrical Engineering 200-499
- Mechanical Engineering 200-499
- Civil Engineering 200-499
- General Engineering 200-499
- Mathematics 200-499
- Biology 100-499
- Chemistry 100-499
- Geology 100-499
- Environmental Science 100-499
- Physics 100-499

May also take EGCM 220 or EGCM 401

MA 250 may not be counted for this elective.

AND

Mathematic Elective 2

-

Complete at least 1 courses in the following course sets:

- Mathematics 200-499

MA 107 may fill this elective

MA 250 may not be counted for this elective.

AND

Science and Mathematics

-

Complete at least 1 courses in the following course sets:

- Mathematics 200-499
- Biology 100-499

- Chemistry 100-499
- Geology 100-499
- Environmental Science 100-499
- Physics 100-499

MA 250 may not be counted for this elective.

AND

Focus Area

-

Earn at least 17 credits from the following:

No selection provided

The Focus Area is an intentional, customized course selection in consultation with the advisor to meet the student's interests. All courses must be approved for the Focus Area.

AND

Design Engineering

-

Complete at least 1 of the following courses:

- EE366 - Electronics II
- ME370 - Mechanical Systems Design
- CE444 - Reinforced Concrete Design
- CE419 - Foundation Engineering
- CE422 - Waste and Water Treatment
- CE442 - Design of Steel Structures

-

AND

Engineering Laboratory

-

Complete at least 1 of the following courses:

- CE211 - Surveying
- CE214 - Site Development and Engineering
- CE321 - Materials Laboratory
- CE322 - Fluid Mechanics Laboratory
- CE328 - Soil Mechanics
- CE348 - Structural Analysis
- CE421 - Environmental Engineering
- CE446 - Soils in Construction
- CE457 - Wood, Steel, and Concrete Structures
- EE215 - Fundamentals of Digital Design
- EE321 - Embedded Systems
- EE327 - Introduction to Mechatronics
- EE359 - Electrical Engineering Laboratory
- EE366 - Electronics II
- EE373 - Electrical Energy Conversion
- EE463 - Communication Systems
- ME216 - Mechanics and Materials Laboratory
- ME381 - Measurements & Instrumentation
- ME487 - Thermal-Fluids Laboratory

-

AND

Lab Science

-

Complete at least 1 courses in the following course sets:

- Chemistry 100-499
- Biology 100-499
- Geology 100-499
- Environmental Science 100-499
- Physics 100-499

Course must have a Lab

AND

Mathematic Elective 1

-

Complete ANY of the following Courses:

- MA223 - Calculus III
- MA224 - Differential Equations

-

-

Additional Comments:
Courses that are in multiple lists cannot be counted to meet more than one requirement.

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Engineering, School of

Name
-

Tags
-

Assessment
The program coordinator tracks which courses the students are in and has a list of courses that are ABET assessed in all engineering disciplines. These courses are then assessed using the same criterion. Each objective is assessed once every two years.

Activity
-

Outcome
Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

Justification
-

Name
-

Tags
-

Assessment
The program coordinator tracks which courses the students are in and has a list of courses that are ABET assessed in all engineering disciplines. These courses are then assessed using the same criterion. Each objective is assessed once every two years.

Activity
-

Outcome
Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
The program coordinator tracks which courses the students are in and has a list of courses that are ABET assessed in all engineering disciplines. These courses are then assessed using the same criterion. Each objective is assessed once every two years.

Outcome
Communicate effectively with a range of audiences.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
The program coordinator tracks which courses the students are in and has a list of courses that are ABET assessed in all engineering disciplines. These courses are then assessed using the same criterion. Each objective is assessed once every two years.

Outcome
Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
The program coordinator tracks which courses the students are in and has a list of courses that are ABET assessed in all engineering disciplines. These courses are then assessed using the same criterion. Each objective is assessed once every two years.

Outcome
Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
The program coordinator tracks which courses the students are in and has a list of courses that are ABET assessed in all engineering disciplines. These courses are then assessed using the same criterion. Each objective is assessed once every two years.

Outcome
Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
The program coordinator tracks which courses the students are in and has a list of courses that are ABET assessed in all engineering disciplines. These courses are then assessed using the same criterion. Each objective is assessed once every two years.

Outcome
Acquire and apply new knowledge as needed, using appropriate learning strategies.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Interdisciplinary Engineering Sample Degree Plan
Degree Credits
127 - 131

Year	Term	Semester/Term Credits
Year 1	Fall 1	13 - 17

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- EG121 - Introduction to the Engineering Profession

Semester/Term Credits 1

Requirement
- EE121 - Introduction to Electrical and Computer Engineering Lab

Semester/Term Credits 2

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- MA121 - Calculus I

Semester/Term Credits 4

Requirement
- CE105 - Civil Engineering Applications

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- EE204 - Electrical Circuits I

Semester/Term Credits 3

Requirement
- EG201 - Engineering Mechanics-Statics

Semester/Term Credits 3

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- PS211 - University Physics I

Semester/Term Credits 4

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- EE200 - Engineering Programming

Semester/Term Credits 3

Requirement
- EG202 - Engineering Mechanics-Dynamics

Semester/Term Credits 3

Requirement
- EG206 - Thermodynamics I

Semester/Term Credits 3

Requirement
- Math Elective (Generic)

Semester/Term Credits 3

Requirement
- Math/Science Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	18

Requirement
- EG301 - Mechanics of Materials

Semester/Term Credits 3

Requirement
- EG303 - Fluid Mechanics

Semester/Term Credits 3

Requirement
- EG350 - Engineering Economics and Decision Analysis

Semester/Term Credits 3

Requirement
- EGCM461 - Project Management

Semester/Term Credits 3

Requirement
- Conc/Focus Area Elective (Generic)

Semester/Term Credits 3

Requirement
- Math Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	18

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

Requirement
- Conc/Focus Area Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	18

Requirement
- EG450 - Professional Issues

Semester/Term Credits 3

Requirement
- CE479 - Senior Design Project I

Semester/Term Credits 3

Requirement
- Conc/Focus Area Elective (Generic)

Semester/Term Credits 3

Requirement
- Conc/Focus Area Elective (Generic)

Semester/Term Credits 3

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	12

Requirement
- CE480 - Senior Design Project II

Semester/Term Credits 3

Requirement
- Conc/Focus Area Elective (Generic)

Semester/Term Credits 3

Requirement
- Conc/Focus Area Elective (Generic)

Semester/Term Credits 3

Requirement
- Engineering Elective (Generic)

Semester/Term Credits 3

English

Program Details

Simple Requisites

English (B.A.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:

- EN282 - Literary Methods
- EN350 - History of the English Language
- EN370 - Topics in British Literature
- EN373 - Major Author
- EN390 - Topics in American Literature
- HUMA400 - Internship
- HUMA402 - Humanities Capstone
- WRIT204 - Professional and Technical Writing
- EN222 - Introduction to World Literatures
  OR EN322 - Topics in World Literatures
- EN225 - Survey of British Literature I
  OR EN227 - Survey of American Literature I
- EN226 - Survey of British Literature II
  OR EN228 - Survey of American Literature II
- EN241 - Introduction to Acting
  OR WRIT276 - Environmental Writing
  OR WRIT278 - Digital Storytelling
  OR WRIT362 - Arguing and Persuading

-

AND

English 200-Level or higher

-

Complete at least 2 courses in the following course sets:

- English 200-499

A grade of C or higher is required.

AND

English Upper-Level

-

Complete at least 2 courses in the following course sets:

- English 299-499

A grade of C or higher is required.

AND

Professional Pathways

-

Complete ALL of the following Courses:

- HUMA100 - Professional Pathways in the Liberal Arts

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Arts

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Global Humanities

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Have the ability to write critically with clarity and precision and to read with comprehension.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Achieve basic levels of skill performing literary analysis, understanding theoretical approaches to the discipline, and applying these approaches to reading a text.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Have the ability to demonstrate knowledge of major literary periods, movements, and genres in American and British literature.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate the ability to identify an advanced research question, know how to locate juried, peer-reviewed sources about the question, and craft a solid written response to the question, thus evidencing an ability to participate in critical thinking about the intellectual questions of the field.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
English Sample Degree Plan
Degree Credits
123

Year	Term	Semester/Term Credits
Year 1	Fall 1	16

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- HUMA100 - Professional Pathways in the Liberal Arts

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Language (prerequisite) (Generic)

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- BA Language

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- EN222 - Introduction to World Literatures

Semester/Term Credits 3

Requirement
- EN225 - Survey of British Literature I

Semester/Term Credits 3

Requirement
- EN282 - Literary Methods

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- EN226 - Survey of British Literature II

Semester/Term Credits 3

Requirement
- English 200-499

Semester/Term Credits 3

Requirement
- EN241 - Introduction to Acting
  OR
- WRIT276 - Environmental Writing
  OR
- WRIT278 - Digital Storytelling
  OR
- WRIT362 - Arguing and Persuading

Semester/Term Credits 3

Requirement
- BA Intercultural

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- EN373 - Major Author

Semester/Term Credits 3

Requirement
- EN390 - Topics in American Literature

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- HUMA400 - Internship

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- EN350 - History of the English Language

Semester/Term Credits 3

Requirement
- EN370 - Topics in British Literature

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Requirement
- English 200-499

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- English 300-499

Semester/Term Credits 3

Requirement
- English 299-499

Semester/Term Credits 3

Requirement
- HUMA402 - Humanities Capstone

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
-

Semester/Term Credits 3

Environmental Science

Program Details

Simple Requisites

Environmental Science (B.S.) Requirements
Type
Completion Requirement

Requirements
-

Fulfill ALL of the following requirements:

Core Courses
-

Complete ALL of the following Courses:

- BI101 - Principles of Biology I
- BI102 - Principles of Biology II
- BI205 - Ecology
- EC201 - Principles of Economics (Macro)
  OR EC202 - Principles of Economics (Micro)
- ES115 - Geographic Information Systems
- ES130 - Introduction to Environmental Law
- ES200 - Energy and The Environment
- ES251 - Sophomore Seminar in Environmental Science
- ES340 - Project Development in Environmental Science
- ES440 - Research Project in Environmental Science
- ES451 - Environmental Science Seminar
- ES460 - Project Completion in Environmental Science
- GL110 - Introduction to Geology
- GL111 - Oceanography
- MA108 - Applied Calculus
- MA232 - Elementary Statistics
- PH323 - Environmental Ethics

MA108 Applied Calculus requires placement or completion of required prerequisites.

AND

Concentration

-

Fulfill ANY of the following requirements:

Social/Cultural Foundations Concentration

-

Fulfill ALL of the following requirements:

Chemistry

-

Complete at least 1 courses in the following course sets:

- Chemistry 100-499

-

AND

Social Science

-

Complete at least 1 courses in the following course sets:

- Political Science 100-299
- Sociology 100-299

-

AND

Human Behavior

-

Complete at least 1 courses in the following course sets:

- Criminal Justice 100-299
- Criminology 100-299
- Psychology 100-299

-

AND

Lower-level Elective

-

Complete at least 1 courses in the following course sets:

- Criminal Justice 100-299
- Criminology 100-299
- Economics 100-299
- Management 100-299
- Political Science 100-299
- Psychology 100-299
- Sociology 100-299

-

AND

Intermediate-level Elective

-

Complete at least 2 courses in the following course sets:

- Criminal Justice 200-499
- Criminology 200-499
- Economics 200-499
- Management 200-499
- Political Science 200-499
- Psychology 200-499
- Sociology 200-499

-

AND

Upper-level Elective

-

Complete at least 2 courses in the following course sets:

- Criminal Justice 300-499
- Criminology 300-499
- Economics 300-499
- Management 300-499
- Political Science 300-499
- Psychology 300-499
- Sociology 300-499

-

AND

Technical Elective

-

Complete at least 1 courses in the following course sets:

- Biology 100-499
- Chemistry 100-499
- Civil Engineering 100-499
- Computer Science 200-499
- Electrical Engineering 100-499
- General Engineering 100-499
- Environmental Science 100-499
- Geology 100-499
- Mathematics 109-499
- Mechanical Engineering 100-499
- Physics 100-499

-

AND

Geology

-

Complete ALL of the following Courses:

- GL253 - Geomorphology

-

-

OR

Scientific Foundations Concentration

-

Fulfill ALL of the following requirements:

Science Elective

-

Complete at least 2 courses in the following course sets:

- Civil Engineering 100-499
- Environmental Science 100-499
- Geology 200-499

-

AND

Technical Elective

-

Complete at least 2 courses in the following course sets:

- Biology 100-499
- Chemistry 100-499
- Civil Engineering 100-499
- Computer Science 200-499
- Electrical Engineering 100-499
- General Engineering 100-499
- Environmental Science 100-499
- Geology 100-499
- Mathematics 109-499
- Mechanical Engineering 100-499
- Physics 100-499

-

AND

Science Core

-

Complete ALL of the following Courses:

- CH103 - General Chemistry I
- CH104 - General Chemistry II
- GL255 - Hydrogeology
- GL267 - Earth Materials
- PS201 - General Physics I
- PS202 - General Physics II

-

-

One concentration is required. A course may meet only one requirement.

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Earth & Environmental Sciences

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To provide an interdisciplinary Liberal Arts degree program in Environmental Science having a strong foundation in the physical and life sciences with a focus on relationships connecting society and nature.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To provide two options, one with a concentration in the sciences and engineering, and the other with a concentration in the social sciences and humanities.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To provide instruction and experiences with emphasis on field studies, solution of active problems, and communication in a professional format.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Environmental Science, Social/Cultural Foundations Concentration Sample Plan
Degree Credits
117 - 121

Year	Term	Semester/Term Credits
Year 1	Fall 1	11 - 15

Requirement
- GL110 - Introduction to Geology

Semester/Term Credits 4

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- GL111 - Oceanography

Semester/Term Credits 4

Requirement
- BI102 - Principles of Biology II

Semester/Term Credits 4

Requirement
- MA108 - Applied Calculus

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- ES251 - Sophomore Seminar in Environmental Science

Semester/Term Credits 1

Requirement
- GL253 - Geomorphology

Semester/Term Credits 4

Requirement
- PH323 - Environmental Ethics

Semester/Term Credits 3

Requirement
- Social Science Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- ES115 - Geographic Information Systems

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- EC201 - Principles of Economics (Macro)

Semester/Term Credits 3

Requirement
- Human Behavior Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- ES130 - Introduction to Environmental Law

Semester/Term Credits 3

Requirement
- BI205 - Ecology

Semester/Term Credits 4

Requirement
- Lower-level Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- ES340 - Project Development in Environmental Science

Semester/Term Credits 1

Requirement
- ES200 - Energy and The Environment

Semester/Term Credits 4

Requirement
- Intermediate Elective (Generic)

Semester/Term Credits 3

Requirement
- Chemistry 100-499

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- ES440 - Research Project in Environmental Science

Semester/Term Credits 3

Requirement
- Intermediate Elective (Generic)

Semester/Term Credits 3

Requirement
- Upper Level Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Technical Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	13

Requirement
- ES451 - Environmental Science Seminar

Semester/Term Credits 3

Requirement
- ES460 - Project Completion in Environmental Science

Semester/Term Credits 1

Requirement
- Upper Level Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Degree Map Name
Environmental Science, Scientific Foundations Concentration Sample Plan
Degree Credits
117 - 121

Year	Term	Semester/Term Credits
Year 1	Fall 1	11 - 15

Requirement
- GL110 - Introduction to Geology

Semester/Term Credits 4

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- GL111 - Oceanography

Semester/Term Credits 4

Requirement
- BI102 - Principles of Biology II

Semester/Term Credits 4

Requirement
- MA108 - Applied Calculus

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	14

Requirement
- ES251 - Sophomore Seminar in Environmental Science

Semester/Term Credits 1

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- PH323 - Environmental Ethics

Semester/Term Credits 3

Requirement
- Science Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	17

Requirement
- ES115 - Geographic Information Systems

Semester/Term Credits 3

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- GL267 - Earth Materials

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	17

Requirement
- ES130 - Introduction to Environmental Law

Semester/Term Credits 3

Requirement
- BI205 - Ecology

Semester/Term Credits 4

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- ES340 - Project Development in Environmental Science

Semester/Term Credits 1

Requirement
- PS202 - General Physics II

Semester/Term Credits 4

Requirement
- ES200 - Energy and The Environment

Semester/Term Credits 4

Requirement
- Technical Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- ES440 - Research Project in Environmental Science

Semester/Term Credits 3

Requirement
- Science Elective (Generic)

Semester/Term Credits 3

Requirement
- Technical Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	13

Requirement
- ES451 - Environmental Science Seminar

Semester/Term Credits 3

Requirement
- ES460 - Project Completion in Environmental Science

Semester/Term Credits 1

Requirement
- GL255 - Hydrogeology

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Exercise Science

Program Details

Simple Requisites

Exercise Science (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:

- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II
- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR138 - Introduction to Health Professions
- HHPR365 - Kinesiology
- HHPR404 - Applications in Exercise Testing and Prescription
- HHPR450 - Capstone Experience I

-

AND

Support Courses

-

Complete ALL of the following Courses:

- BI101 - Principles of Biology I
- CH103 - General Chemistry I
- MA107 - Precalculus Mathematics
- MA232 - Elementary Statistics
- HHPR136 - Emergency Care of Injury and I
- HHPR139 - Health Science Research Methods
- HHPR200 - Foods and Nutrition
- HHPR202 - Applications in Exercise Science
- HHPR205 - Exercise and Sport Psychology
- HHPR265 - Lifelong Motor Development
- HHPR301 - Physiology of Exercise
- HHPR302 - Advanced Physiology of Exercise
- HHPR408 - Applications in Clinical Exercise Physiology
- HHPR412 - Advanced Exercise Psychology
- PY110 - Introduction to Psychology

Internship or Biology Research must be no less than 3 credits.

AND

Internship or Research

-

Earn at least 3 credits from the following:

- HHPR426 - Internship
  OR BI440 - Reading and Research

-

AND

Concentration

One concentration is required.

Fulfill ANY of the following requirements:

Pre-Physical Therapy Concentration

-

Fulfill ALL of the following requirements:

Science Elective

-

Complete ALL of the following Courses:

- CH104 - General Chemistry II
- PS201 - General Physics I
- PS202 - General Physics II

-

AND

Psychology Elective

-

Complete at least 1 courses in the following course sets:

- Psychology 100-499

-

AND

Biology Elective

-

Earn at least 4 credits from the following:

- Biology 100-499

-

AND

Management

-

Earn a minimum C of 2.0 in the following:

- HHPR333 - Management Sports Facilities

-

-

OR

Strength & Conditioning/Fitness Concentration

-

Fulfill ALL of the following requirements:

Core Course

-

Earn a minimum C of 2.0 in the following:

- HHPR410 - Applications in Strength and Conditioning

-

AND

Support Courses

-

Complete ALL of the following Courses:

- HHPR307 - Applications in Tactical Strength and Conditioning
- HHPR333 - Management Sports Facilities

-

-

OR

Pre-Athletic Training, Accelerated Master's

-

Fulfill ALL of the following requirements:

Advanced Courses

-

Earn a minimum C of 2.0 in the following:

- HHPR501 - Athletic Training in Healthcare
- HHPR504 - Advanced Emergency Management
- HHPR505 - Care of Orthopedic Injuries
- HHPR506 - Therapeutic Interventions
- HHPR507 - Care of Orthopedic Injuries II
- HHPR508 - Therapeutic Interventions II
- HHPR509 - Clinical Experience in Athletic Training II
- HHPR601 - Medical Conditions in Athletic Training 1
- HHPR606 - Injury and Disease Prevention
- PS201 - General Physics I

-

AND

Management

-

Earn a minimum C of 2.0 in the following:

- HHPR333 - Management Sports Facilities

-

-

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Health and Human Performance

Name	Tags
-	-

Activity
-

Assessment
HHPR 101 – First Attempt Personal Work Out Plan HHPR 202- Community Outreach Exercise Program HHPR 301- Final Project Exercise Physiology Assessment HHPR 365- Final Project Movement Plan HHPR 404- Exercise Programming and Assessment Semester Project

Outcome
Foundational knowledge and skills: Summarize the scientific principles of exercise science and demonstrate how they apply to human health and performance.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
HHPR 302- Exercise Physiology Research Portfolio HHPR 365- Final Project Movement Plan HHPR 404- Exercise Programming and Assessment Semester Project

Outcome
Scientific communication: Communicate foundational knowledge and research to a variety of communities using written and oral modalities.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
HHPR 202- Community Outreach Exercise Program HHPR 302- Exercise Physiology Research Portfolio HHPR 365- Final Project Movement Plan HHPR 404- Exercise Programming and Assessment Semester Project

Outcome
Ethical decision-making: Assess relevant and important ethical issues in exercise science research and practice.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
HHPR 202- Community Outreach Exercise Program HHPR 365- Final Project Movement Plan HHPR 404- Exercise Programming and Assessment Semester Project

Outcome
Leadership: Organize, reflect, and lead within an inter-professional team on a variety of exercise science initiatives.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
HHPR 202- Community Outreach Exercise Program HHPR 365- Final Project Movement Plan HHPR 404- Exercise Programming and Assessment Semester Project HHPR 410- Strength and Conditioning Outreach Internship

Outcome
Collaboration: Collaborate with internal and/or external stakeholders to integrate foundational knowledge, scientific literacy, and ethical decision-making in a hands-on learning environment.

Justification
-

Admission Criteria
There are no specific admission criteria for the BS in Exercise Science.

Students wishing to pursue the Master of Athletic Training degree may do so either as part of the accelerated BS-to-MAT program in 3+2 years (or two years as an external candidate). The Commission on Accreditation of Athletic Training Education (CAATE) has granted approval for Norwich University to offer the Master of Athletic Training (MAT) degree. To be considered for admission into the MAT program, the following criteria are required:

Accelerated 3+2 program: Completion of all prerequisite coursework, as described in the course catalog, must occur by the start of graduate coursework. An overall GPA of at least a 2.75, and a prerequisite GPA of at least 2.3 are required.

Degree Map Name
Exercise Science Strength & Conditioning Concentration
Degree Credits
118 - 122

Year	Term	Semester/Term Credits
Year 1	Fall 1	13 - 17

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- HHPR138 - Introduction to Health Professions

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- PY210 - Psychology of Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- Course Set Not Found

Semester/Term Credits 4

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- HHPR139 - Health Science Research Methods

Semester/Term Credits 3

Requirement
- HHPR265 - Lifelong Motor Development

Semester/Term Credits 3

Requirement
- HHPR202 - Applications in Exercise Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	14

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- HHPR301 - Physiology of Exercise

Semester/Term Credits 4

Requirement
- HHPR205 - Exercise and Sport Psychology

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- HHPR302 - Advanced Physiology of Exercise

Semester/Term Credits 2

Requirement
- HHPR365 - Kinesiology

Semester/Term Credits 4

Requirement
- HHPR333 - Management Sports Facilities

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- HHPR404 - Applications in Exercise Testing and Prescription

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- HHPR307 - Applications in Tactical Strength and Conditioning

Semester/Term Credits 3

Requirement
- HHPR136 - Emergency Care of Injury and I

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- HHPR408 - Applications in Clinical Exercise Physiology

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 4	Fall 4	13

Requirement
- HHPR450 - Capstone Experience I

Semester/Term Credits 3

Requirement
- HHPR412 - Advanced Exercise Psychology

Semester/Term Credits 3

Requirement
- HHPR410 - Applications in Strength and Conditioning

Semester/Term Credits 4

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	13

Requirement
- Course Set Not Found

Semester/Term Credits 3

Requirement
- HHPR426 - Internship
  OR
- BI440 - Reading and Research

Semester/Term Credits 4

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Degree Map Name
Exercise Science Pre-Physical Therapy Concentration
Degree Credits
119 - 123

Year	Term	Semester/Term Credits
Year 1	Fall 1	13 - 17

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- HHPR138 - Introduction to Health Professions

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- HHPR139 - Health Science Research Methods

Semester/Term Credits 3

Requirement
- HHPR265 - Lifelong Motor Development

Semester/Term Credits 3

Requirement
- HHPR202 - Applications in Exercise Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- HHPR301 - Physiology of Exercise

Semester/Term Credits 4

Requirement
- HHPR205 - Exercise and Sport Psychology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	17

Requirement
- HHPR302 - Advanced Physiology of Exercise

Semester/Term Credits 2

Requirement
- HHPR365 - Kinesiology

Semester/Term Credits 4

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- HHPR333 - Management Sports Facilities

Semester/Term Credits 3

Requirement
- HHPR404 - Applications in Exercise Testing and Prescription

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 3	Spring 3	17

Requirement
- PS202 - General Physics II

Semester/Term Credits 4

Requirement
- HHPR136 - Emergency Care of Injury and I

Semester/Term Credits 3

Requirement
- HHPR408 - Applications in Clinical Exercise Physiology

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Psychology 100-499

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	12

Requirement
- HHPR450 - Capstone Experience I

Semester/Term Credits 3

Requirement
- HHPR412 - Advanced Exercise Psychology

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	12

Requirement
- HHPR426 - Internship
  OR
- BI440 - Reading and Research

Semester/Term Credits 3

Requirement
- Biology 100-499

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Degree Map Name
Exercise Science Pre-Athletic Training
Degree Credits
126 - 130

Year	Term	Semester/Term Credits
Year 1	Fall 1	13 - 17

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- HHPR138 - Introduction to Health Professions

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- HHPR136 - Emergency Care of Injury and I

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- HHPR139 - Health Science Research Methods

Semester/Term Credits 3

Requirement
- HHPR202 - Applications in Exercise Science

Semester/Term Credits 3

Requirement
- HHPR333 - Management Sports Facilities

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	14

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- HHPR205 - Exercise and Sport Psychology

Semester/Term Credits 3

Requirement
- HHPR265 - Lifelong Motor Development

Semester/Term Credits 3

Requirement
- HHPR301 - Physiology of Exercise

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 3	Fall 3	17

Requirement
- HHPR302 - Advanced Physiology of Exercise

Semester/Term Credits 2

Requirement
- HHPR365 - Kinesiology

Semester/Term Credits 4

Requirement
- HHPR404 - Applications in Exercise Testing and Prescription

Semester/Term Credits 4

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- HHPR408 - Applications in Clinical Exercise Physiology

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	17

Requirement
- HHPR501 - Athletic Training in Healthcare

Semester/Term Credits 3

Requirement
- HHPR505 - Care of Orthopedic Injuries

Semester/Term Credits 4

Requirement
- HHPR507 - Care of Orthopedic Injuries II

Semester/Term Credits 4

Requirement
- HHPR606 - Injury and Disease Prevention

Semester/Term Credits 3

Requirement
- HHPR450 - Capstone Experience I

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	16

Requirement
- HHPR508 - Therapeutic Interventions II

Semester/Term Credits 4

Requirement
- HHPR509 - Clinical Experience in Athletic Training II

Semester/Term Credits 3

Requirement
- HHPR504 - Advanced Emergency Management

Semester/Term Credits 3

Requirement
- HHPR601 - Medical Conditions in Athletic Training 1

Semester/Term Credits 3

Requirement
- HHPR506 - Therapeutic Interventions

Semester/Term Credits 3

Geology

Program Details

Simple Requisites

Geology (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- CH103 - General Chemistry I
- CH104 - General Chemistry II
- ES115 - Geographic Information Systems
- GL110 - Introduction to Geology

- GL156 - Introduction to Earth Evolution
- GL251 - Sophomore Seminar in Geology
- GL340 - Project Development in Geology
- GL440 - Research Project in Geology
- GL451 - Geology Seminar
- GL460 - Project Completion in Geology
- MA107 - Precalculus Mathematics
- MA108 - Applied Calculus
- MA232 - Elementary Statistics
- PS201 - General Physics I
- PS202 - General Physics II

-

AND

Literature Elective

-

Complete at least 2 of the following courses:

- EN222 - Introduction to World Literatures

Each course must be a new topic.

AND

Geology Elective

-

Complete at least 7 of the following courses:

- GL253 - Geomorphology
- GL255 - Hydrogeology
- GL257 - Sedimentology
- GL261 - Field Geology
- GL262 - Structural Geology
- GL265 - Glacial Geology and Paleoclimate
- GL267 - Earth Materials

-

AND

Technical Elective

-

Complete at least 3 courses in the following course sets:

- Civil Engineering 200-499
- Computer Science 200-499
- Electrical Engineering 200-499
- Environmental Science 200-499
- Geology 200-499
- Mathematics 109-499
- Biology 200-499
- Chemistry 200-499
- Engineering Management 200-499
- General Engineering 200-499
- Mechanical Engineering 200-499
- Physics 200-499

CS140 Programming and Computing may also be selected.

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type	College	School/Department(s)
Major	College of Arts & Sciences	Earth & Environmental Sciences

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	**Justification**
Know the procedures for identification of rocks, minerals and fossils	-

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Understand the stresses produced in a dynamic Earth and their resulting products, and know the fundamentals of plate tectonic theory	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Understand the materials and processes involved in the constitution and transformation of the Earth, both on the surface and within	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Know how to define a problem, design a study to acquire data, critically analyze and interpret data, and discuss the implications of results	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Be able to think critically about published professional work, synthesize the content of such work, and present findings at a professional level both in writing and orally	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	**Justification**
Meet the University's General Education Goals	-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Geology Sample Degree Plan
Degree Credits
117 - 121

Year	Term	Semester/Term Credits
Year 1	Fall 1	11 - 15

Requirement
- GL110 - Introduction to Geology

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- General Education Goal 1

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- GL156 - Introduction to Earth Evolution

Semester/Term Credits 4

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- MA108 - Applied Calculus

Semester/Term Credits 4

Requirement
- General Education Goal 1

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- GL251 - Sophomore Seminar in Geology

Semester/Term Credits 1

Requirement
- Geology 200-299

Semester/Term Credits 4

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- EN222 - Introduction to World Literatures

Semester/Term Credits 3

Requirement
- General Education Goal 5

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	17

Requirement
- Geology 200-299

Semester/Term Credits 4

Requirement
- EN222 - Introduction to World Literatures

Semester/Term Credits 3

Requirement
- ES115 - Geographic Information Systems

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- PS202 - General Physics II

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- Geology 200-299

Semester/Term Credits 4

Requirement
- Geology 200-299

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- General Education Goal 6

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- GL340 - Project Development in Geology

Semester/Term Credits 1

Requirement
- Geology 200-299

Semester/Term Credits 4

Requirement
- Geology 200-299

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- GL440 - Research Project in Geology

Semester/Term Credits 3

Requirement
- Geology Technical Elective (Generic)

Semester/Term Credits 3

Requirement
- Technical Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	13

Requirement
- GL451 - Geology Seminar

Semester/Term Credits 3

Requirement
- GL460 - Project Completion in Geology

Semester/Term Credits 1

Requirement
- Geology 200-299

Semester/Term Credits 3

Requirement
- Geology Technical Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

History

Program Details

Simple Requisites

History (B.A.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:
- HI105 - First Year Seminar
- HI121 - American History Survey I
  OR HI122 - American History Survey II
- HI249 - Historical Methods

- PO105 - American Politics
- PO202 - Introduction to Comparative Politics

Any History 100-499 course may substitute HI105 First Year Seminar.

AND

History Elective 200-level, or higher

-

Complete at least 2 courses in the following course sets:

- History 200-499

A minimum grade of C, 2.0 is required.

AND

History Elective 300-Level, or higher

-

Complete at least 1 courses in the following course sets:

- History 300-499

A minimum grade of C, 2.0 is required.

AND

United States History

-

Complete at least 1 of the following courses:

- HI332 - The American Revolution
- HI338 - U.S. Diplomatic History, 1776-1914
- HI339 - U.S. Diplomatic History, 1914-present
- HI341 - U.S. Civil War Era, 1848-1877
- HI360 - Topics in U.S. History
- HI372 - Military History of the United States I, 1775-1902
- HI373 - Military History of the United States II, 1902-Present

Grade of C, or higher

AND

European History

-

Earn a minimum C of 2.0 in the following:

- HI326 - Nazi Germany and the Holocaust
  OR HI361 - Topics in Modern European History
  OR HI381 - Thirty Years War

-

AND

Non-Western History

-

Earn a minimum C of 2.0 in the following:

- HI315 - Modern China
  OR HI317 - Modern Japan
  OR HI363 - Topics in Non-Western History

-

AND

Pre-Modern History

-

Earn a minimum C of 2.0 in the following:

- HI321 - Reformation Europe
  OR HI362 - Topics in Pre Modern History

-

AND

Colloquium

-

Complete at least 1 of the following courses:

- HI328 - Colloquium in History

-

AND

Capstone

-

Earn a minimum C of 2.0 in the following:

- HI404 - Capstone Seminar in History
  OR HI491 - Honors in History II

-

AND

Support Course

-

Complete ALL of the following Courses:

- EC201 - Principles of Economics (Macro)
  OR EC202 - Principles of Economics (Micro)

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Arts

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
Students will be assessed by essays that require the use of primary and secondary sources to craft and defend a thesis.

Outcome
Analyze diverse responses to an important event in history using primary and secondary sources.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will be assessed by a capstone seminar or departmental honors thesis.

Outcome
Design an original work of scholarship by crafting a thesis and defending it with logical and relevant supporting arguments.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will be assessed by a research essay in Historical Methods.

Outcome
Determine where to find primary and secondary sources using scholarly internet sites and on-line databases.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will be assessed by a capstone seminar or departmental honors thesis.

Outcome
Defend an original thesis by using relevant and extensive primary and secondary sources.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will be assessed by a capstone seminar or departmental honors thesis that contains citations and an annotated bibliography using the correct format.

Outcome
Demonstrate the conventions of when and how to cite sources.

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
History Sample Degree Plan
Degree Credits
122

Year	Term	Semester/Term Credits
Year 1	Fall 1	15

Requirement
- PO105 - American Politics

Semester/Term Credits 3

Requirement
- HI105 - First Year Seminar
  OR
- History 100-199

Semester/Term Credits 3

Requirement
- Language (prerequisite) (Generic)

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- HI121 - American History Survey I

Semester/Term Credits 3

Requirement
- BA Language

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- HI249 - Historical Methods

Semester/Term Credits 4

Requirement
- History 200-299

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 2

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- HI 200 Elective (Generic)

OR
- History 200-299

Semester/Term Credits 3

Requirement
- PO202 - Introduction to Comparative Politics

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- HI328 - Colloquium in History

Semester/Term Credits 3

Requirement
- History Distribution (Generic)

Semester/Term Credits 3

Requirement
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- History Distribution (Generic)

Semester/Term Credits 3

Requirement
- History Distribution (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- HI404 - Capstone Seminar in History
  OR
- HI490 - Honors in History I

Semester/Term Credits 3

Requirement
- History Distribution (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits

Year 4	Spring 4	15

Requirement
- History 300-499

Semester/Term Credits 3

Requirement
- Elective (Generic)
  OR
- PO491 - Honors in Political Science

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Health Science

Program Details

Simple Requisites

Health Science (B.S.) Requirements
Type
Completion Requirement

Requirements

A course may meet only one requirement when listed more than once.

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- BI101 - Principles of Biology I
- BI102 - Principles of Biology II
- CH103 - General Chemistry I
- CH104 - General Chemistry II
- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR136 - Emergency Care of Injury and I
- HHPR138 - Introduction to Health Professions
- HHPR139 - Health Science Research Methods
- HHPR200 - Foods and Nutrition
- HHPR212 - Health Promotion
- HHPR214 - Clinical Anatomy
- HHPR256 - Fundamentals of Epidemiology
- HHPR265 - Lifelong Motor Development
- HHPR439 - Leadership & Management in Healthcare

- HHPR450 - Capstone Experience I
- PH350 - Medical Ethics
- MA107 - Precalculus Mathematics
  OR MA108 - Applied Calculus
  OR MA232 - Elementary Statistics

-

AND

Select One Concentration

-

Fulfill ANY of the following requirements:

Pre-Health Professions Concentration

A grade of C or higher is required for all courses within the Pre-Health Concentration.

Fulfill ALL of the following requirements:

Anatomy

-

Earn a minimum C of 2.0 in the following:

- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II

-

AND

Physical Science

-

Earn at least 4 credits from the following:

- HHPR365 - Kinesiology
- PS201 - General Physics I
- PS211 - University Physics I

-

AND

Physiological Science

-

Earn at least 4 credits from the following:

- HHPR301 - Physiology of Exercise
- BI304 - Physiology

-

AND

Electives

-

Earn at least 12 credits from the following:

- BI220 - Introductory Microbiology
- BI302 - Embryology
- BI303 - Genetics
- BI304 - Physiology
- BI330 - Immunology
- BI370 - Introduction to Neuroscience
- BI415 - Neuroanatomy

- BI420 - Diseases of the Nervous System
- BI426 - Ecological Parasitology
- CH225 - Organic Chemistry I
- CH226 - Organic Chemistry II
- CH324 - Biochemistry I
- CH325 - Biochemistry II
- HHPR202 - Applications in Exercise Science
- HHPR365 - Kinesiology
- HHPR375 - Adapted Physical Activity
- HHPR408 - Applications in Clinical Exercise Physiology
- HHPR410 - Applications in Strength and Conditioning
- HHPR426 - Internship
- PS201 - General Physics I
- PS202 - General Physics II
- PS211 - University Physics I
- PS212 - University Physics II
- PY212 - Abnormal Psychology
- PY220 - Developmental Psychology
- PY230 - Biopsychology
- MG360 - Health Economics & Policy

-

-

OR

Pre-Athletic Training, Accelerated Master's

See also admission requirements for enrolling into the 3+2 program option.

Fulfill ALL of the following requirements:

Anatomy

-

Earn a minimum C+ of 2.3 in the following:

- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II

-

AND

Graduate Health and Human Performance

-

Earn a minimum C of 2.0 in the following:

- HHPR501 - Athletic Training in Healthcare
- HHPR504 - Advanced Emergency Management
- HHPR505 - Care of Orthopedic Injuries
- HHPR506 - Therapeutic Interventions
- HHPR507 - Care of Orthopedic Injuries II
- HHPR508 - Therapeutic Interventions II
- HHPR509 - Clinical Experience in Athletic Training II
- HHPR601 - Medical Conditions in Athletic Training 1
- HHPR606 - Injury and Disease Prevention

-

AND

Physics

-

Complete ALL of the following Courses:

- PS201 - General Physics I

-

-

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Health and Human Performance

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Foundational knowledge: Summarize scientific principles that underpin human health.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Scientific and research literacy: Evaluate research to examine and devise solutions to problems in the field.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Scientific communication: Communicate foundational knowledge and research to a variety of communities using written and oral modalities.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Ethical decision-making: Assess relevant and important ethical issues in research and healthcare.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Leadership: Organize, reflect, and lead within an inter-professional team on a variety of health care initiatives.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Collaboration: Collaborate with internal and/or external stakeholders to integrate foundational knowledge, scientific literacy, and ethical decision-making in a hands-on learning environment.

Justification
-

Admission Criteria
There are no program-specific admission criteria for the Health Science Program.

Students wishing to pursue the Master of Athletic Training degree may do so either as part of the accelerated BS-to-MAT program in 3+2 years (or two years as an external candidate). The commission on Accreditation of Athletic Training Education (CAATE) has granted approval to offer the Master of Athletic Training (MAT) degree. To be considered for admission into the MAT program, the following criteria are required:

Accelerated 3+2 program: Completion of all prerequisite coursework, as described in the course catalog, must occur by the start of graduate coursework. An overall GPA of at least a 2.75, and a prerequisite GPA of at least 2.3 are required.

Degree Map Name
Pre-Health Professions Concentration Sample Plan
Degree Credits
116 - 120

Year	Term	Semester/Term Credits
Year 1	Fall 1	13 - 17

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- General Education Goal 1

Semester/Term Credits 3

Requirement
- HHPR138 - Introduction to Health Professions

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- PY211 - Introduction to Psychology (Inactive)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- BI102 - Principles of Biology II

Semester/Term Credits 4

Requirement
- General Education Goal 1

Semester/Term Credits 3

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 3

Requirement
- HHPR136 - Emergency Care of Injury and I

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- HHPR139 - Health Science Research Methods

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	17

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- HHPR214 - Clinical Anatomy

Semester/Term Credits 3

Requirement
- HHPR256 - Fundamentals of Epidemiology

Semester/Term Credits 3

Requirement
- HHPR265 - Lifelong Motor Development

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	13

Requirement
- HHPR212 - Health Promotion

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Physical Science (Generic)

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	13

Requirement
- Physiological Science (Generic)

Semester/Term Credits 4

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- PH350 - Medical Ethics

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	12

Requirement
- HHPR439 - Leadership & Management in Healthcare

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- HHPR450 - Capstone Experience I

Semester/Term Credits 3

Requirement
- HHPR426 - Internship

Semester/Term Credits 12

Degree Map Name
Pre-Athletic Training Concentration Sample Plan
Degree Credits
126 - 130

Year	Term	Semester/Term Credits
Year 1	Fall 1	13 - 17

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- General Education Goal 1

Semester/Term Credits 3

Requirement
- HHPR138 - Introduction to Health Professions

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- PY211 - Introduction to Psychology (Inactive)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- BI102 - Principles of Biology II

Semester/Term Credits 4

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 3

Requirement
- HHPR136 - Emergency Care of Injury and I

Semester/Term Credits 3

Requirement
- General Education Goal 1

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- HHPR139 - Health Science Research Methods

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	17

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- HHPR214 - Clinical Anatomy

Semester/Term Credits 3

Requirement
- HHPR256 - Fundamentals of Epidemiology

Semester/Term Credits 3

Requirement
- HHPR265 - Lifelong Motor Development

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	17

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- HHPR212 - Health Promotion

Semester/Term Credits 3

Requirement
- HHPR365 - Kinesiology

Semester/Term Credits 4

Requirement
- HHPR439 - Leadership & Management in Healthcare

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	13

Requirement
- HHPR301 - Physiology of Exercise

Semester/Term Credits 4

Requirement
- PH350 - Medical Ethics

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	14

Requirement
- HHPR501 - Athletic Training in Healthcare

Semester/Term Credits 3

Requirement
- HHPR505 - Care of Orthopedic Injuries

Semester/Term Credits 4

Requirement
- HHPR507 - Care of Orthopedic Injuries II

Semester/Term Credits 4

Requirement
- HHPR606 - Injury and Disease Prevention

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	19

Requirement
- HHPR450 - Capstone Experience I

Semester/Term Credits 3

Requirement
- HHPR508 - Therapeutic Interventions II

Semester/Term Credits 4

Requirement
- HHPR509 - Clinical Experience in Athletic Training II

Semester/Term Credits 3

Requirement
- HHPR506 - Therapeutic Interventions

Semester/Term Credits 3

Requirement
- HHPR504 - Advanced Emergency Management

Semester/Term Credits 3

Requirement
- HHPR601 - Medical Conditions in Athletic Training 1

Semester/Term Credits 3

International Business

Program Details

Simple Requisites

International Business (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- CS120 - Business Applications & Problem Solving Techniques
- CS300 - Management Information Systems
- EC106 - The Structure and Operation of the World Economy
- EC310 - Money and Banking
- EC419 - International Economics
- FN200 - Fundamentals of Finance
- FN311 - Corporate Finance
- MA107 - Precalculus Mathematics
- MA212 - Finite Mathematics
- MA232 - Elementary Statistics
  OR QM213 - Business and Economic Statistics I
- MG101 - Introduction to Business
- MG227 - Principles of Marketing
- MG232 - Intercultural Engagements
- MG309 - Management of Organizations
- MG310 - Production/Operations Management
- MG319 - International Dimensions of Business
- MG320 - International Marketing
- MG341 - Business Law I
- MG449 - Administrative Policy and Strategy
- PH322 - Money, Meaning and Morality
- PO215 - International Relations
- PO415 - International Law
- QM317 - Business and Economic Statistics II
- AC205 - Principles of Accounting-Financial
- AC206 - Principles of Accounting-Managerial
- EC201 - Principles of Economics (Macro)
- EC202 - Principles of Economics (Micro)

-

AND

Modern Language

-

Earn at least 6 credits from the following:

- Chinese 100-499
- French 100-499
- German 100-499
- Spanish 100-499
- American Sign Language 100-499

-

-

Additional Comments:
One Semester in a Study Abroad program is required (normally in the Fall semester of the Junior year). Studying abroad may include a credit internship (MG450 Internship in Management) or off-campus experience within the U.S study away program. Summer study abroad is acceptable when at least 6 credits are earned through a combination of coursework and/or independent study (including summer opportunities).

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Business, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Appreciate the impact of globalization on countries, businesses and their citizens and provide a strong foundation in international implications for business disciplines.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Explain the role of international organizations/agreements that affect business organizations including, by way of example, regional agreements and treaties, the World Bank, the World Trade Organization, and the International Monetary Fund.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Analyze the political, legal, economic, and cultural environments of multinational organizations required to develop competitive strategies in a global environment.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Evaluate the impact of internationalization on company strategies and on the mode of entry chosen by a multinational organization.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Apply knowledge of cultural values in evaluating alternative management techniques in different cultures.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Design a marketing strategy for an international market.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate knowledge of the basics of international finance necessary to conduct financial transactions in a global economy, including development and current status of international monetary system, foreign exchange exposure, global parity conditions, global capital budgeting, global cost of capital, and exports and/ imports.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Develop cultural understanding through course work and a required semester abroad.

Justification
-

Admission Criteria
There are no additional requirements to declare this major.

Degree Map Name
International Business Sample Degree Plan
Degree Credits
119 - 123

Year	Term	Semester/Term Credits
Year 1	Fall 1	12 - 16

Requirement
- CS120 - Business Applications & Problem Solving Techniques

Semester/Term Credits 3

Requirement
- EC106 - The Structure and Operation of the World Economy

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- MG101 - Introduction to Business

Semester/Term Credits 3

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- Course Set Not Found

Semester/Term Credits 4

Requirement
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- QM213 - Business and Economic Statistics I

Semester/Term Credits 3

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- EC201 - Principles of Economics (Macro)

Semester/Term Credits 3

Requirement
- AC205 - Principles of Accounting-Financial

Semester/Term Credits 3

Requirement
- MG227 - Principles of Marketing

Semester/Term Credits 3

Requirement
- QM317 - Business and Economic Statistics II

Semester/Term Credits 3

Requirement
- Modern Language Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- AC206 - Principles of Accounting-Managerial

Semester/Term Credits 3

Requirement
- CS300 - Management Information Systems

Semester/Term Credits 3

Requirement
- FN200 - Fundamentals of Finance

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Modern Language Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- MG232 - Intercultural Engagements

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- MA212 - Finite Mathematics

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- EC310 - Money and Banking

Semester/Term Credits 3

Requirement
- MG309 - Management of Organizations

Semester/Term Credits 3

Requirement
- FN311 - Corporate Finance

Semester/Term Credits 3

Requirement
- MG320 - International Marketing

Semester/Term Credits 3

Requirement
- PO215 - International Relations

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	16

Requirement
- MG319 - International Dimensions of Business

Semester/Term Credits 3

Requirement
- MG341 - Business Law I

Semester/Term Credits 3

Requirement
- PH322 - Money, Meaning and Morality

Semester/Term Credits 3

Requirement
- PO415 - International Law

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- EC419 - International Economics

Semester/Term Credits 3

Requirement
- MG449 - Administrative Policy and Strategy

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- MG310 - Production/Operations Management

Semester/Term Credits 3

International Studies

Program Details

Simple Requisites

International Studies (B.A.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:
- CN205 - Intermediate Chinese I
  OR FR205 - Intermediate French I
  OR GR205 - Intermediate German I
  OR SP205 - Intermediate Spanish I
- CN206 - Intermediate Chinese II
  OR FR206 - Intermediate French II
  OR GR206 - Intermediate German II
  OR SP206 - Intermediate Spanish II
- EC201 - Principles of Economics (Macro)

- EC202 - Principles of Economics (Micro)
- IN101 - Introduction to International Studies
- IN410 - Seminar in International Studies

-

AND

Support Courses

-

Complete ALL of the following Courses:

- EC419 - International Economics
- HI108 - The History of Civilization II
- PO105 - American Politics
- PO202 - Introduction to Comparative Politics
- PO215 - International Relations

-

AND

History 200-Level

-

Complete at least 2 of the following courses:

- HI201 - Ancient Greece and Rome
- HI202 - The Middle Ages: Europe 500 - 1500
- HI211 - Early East Asian Civilizations
- HI214 - History of the Middle East
- HI223 - Europe's Age of Revolution. 1500 -1800
- HI235 - Military History I
- HI236 - Military History II

-

AND

History 300-Level

-

Complete at least 1 of the following courses:

- HI304 - Colloquium in Medieval History (Inactive)
- HI315 - Modern China
- HI317 - Modern Japan
- HI319 - Colloquium in Chinese History (Inactive)
- HI321 - Reformation Europe
- HI322 - Topics in Early Modern European History
- HI326 - Nazi Germany and the Holocaust
- HI338 - U.S. Diplomatic History, 1776-1914
- HI339 - U.S. Diplomatic History, 1914-present
- HI363 - Topics in Non-Western History
- HI372 - Military History of the United States I, 1775-1902
- HI373 - Military History of the United States II, 1902-Present

-

AND

Colloquium

-

Complete at least 1 of the following courses:

- HI304 - Colloquium in Medieval History (Inactive)

- HI319 - Colloquium in Chinese History (Inactive)
- HI322 - Topics in Early Modern European History
- HI355 - Colloquium in Modern Military History (Inactive)

-

AND

Comparative Politics

-

Complete at least 2 of the following courses:

- PO301 - Special Topics in International Relations
- PO305 - Geopolitics
- PO310 - European Politics
- PO320 - Topics in Area Studies
- PO333 - American Foreign Policy
- PO340 - Revolution and Forces of Change
- PO348 - Asian Politics
- PO415 - International Law

-

AND

World Language Upper-level

-

Complete at least 2 courses in the following course sets:

- Chinese 300-499
- French 300-499
- German 300-499
- Spanish 300-499

-

-

Additional Comments:
A semester of Study Abroad is required.

Program Delivery
Residential Program

Degree Designation
Bachelor of Arts

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Have studied abroad in a non-English speaking country for at least one semester.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Able to write and speak effectively about foreign study experiences.

Justification
-

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Be prepared for the job market, graduate studies, or law school.	**Justification** -

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
International Studies Sample Degree Plan
Degree Credits
122

Year	Term	Semester/Term Credits
Year 1	Fall 1	15

Requirement
- IN101 - Introduction to International Studies

Semester/Term Credits 3

Requirement
- PO105 - American Politics

Semester/Term Credits 3

Requirement
- HI108 - The History of Civilization II

Semester/Term Credits 3

Requirement
- Language (prerequisite) (Generic)

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- PO215 - International Relations

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- BA Language

Semester/Term Credits 4

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- EC201 - Principles of Economics (Macro)

Semester/Term Credits 3

Requirement
- PO202 - Introduction to Comparative Politics

Semester/Term Credits 3

Requirement
- Modern Language (Generic)

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement
- Modern Language 205 (Generic)

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- History 200-299

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- Study Abroad (Generic)

Semester/Term Credits 15

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- Comparative Politics (Generic)

Semester/Term Credits 3

Requirement
- Modern Language 300 or higher (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- Comparative Politics (Generic)

Semester/Term Credits 3

Requirement
- HI Colloquium (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Modern Language 300 or higher (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- IN410 - Seminar in International Studies

Semester/Term Credits 3

Requirement
- EC419 - International Economics

Semester/Term Credits 3

Requirement
- History 200-299

Semester/Term Credits 3

Requirement
- History 300-399

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Leadership

Program Details

Simple Requisites

Leadership (B.S.) Program Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Foundation

-

Complete ALL of the following Courses:
- LEAD111 - Foundations of Leadership
- LEAD201 - Principles of Leadership
  OR LEAD202 - Theories and Models of Leadership
- LEAD402 - Leadership Capstone
  OR MNGT400 - Capstone

-

AND

Leadership Electives

-

Fulfill ALL of the following requirements:

Leadership Electives

Two Electives must be at the 300-400 level.

Earn at least 15 credits from the following:

- LEAD201 - Principles of Leadership
- LEAD202 - Theories and Models of Leadership
- LEAD211 - Authentic Leadership
- LEAD212 - Strategic Leadership
- LEAD301 - Leading Cultural Competencies
- LEAD302 - Leading as Engaged Citizens
- LEAD311 - Global Leadership
- LEAD312 - Leading High Performance Teams
- LEAD401 - Leadership Internship
- MNGT315 - Leadership
- MNGT401 - Sem in Leadership I:Fundamntls
- MNGT402 - Sem in Leadership II Styles EQ
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World

-

-

AND

Select Two Different Subject Codes

-

Complete at least 2 of the following courses:

- MG101 - Introduction to Business
- MG309 - Management of Organizations
- MNGT475 - Project Management Fundamentals
- PH110 - Think! Intro to Philosophy
- PH215 - Survey of Ethics
- PHLS205 - Critical Thinking
- PHLS210 - Ethics in the Modern World
- PY110 - Introduction to Psychology
- PY210 - Psychology of Leadership
- SO201 - Introduction to Sociology

-

-

Additional Comments:
A course that is in multiple lists of courses cannot be used more than once to meet major requirements.

Program Delivery
Residential Program, Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Business, School of

Name
-

Tags
-

Activity
-

Assessment
Prior approval has been provided.

Outcome
Construct applied leadership perspective via internships, which produces a new generation of leaders with problem-solving, critical thinking, and creative skills.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Prior approval has been provided.

Outcome
Generate ideas, proposals, and solutions for 21st century local and global challenges through interdisciplinary, competent, visionary, strategic, theoretical, and practical leadership experiences.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Prior approval has been provided.

Outcome
Identify assumptions and demonstrate leadership practices as diverse, equal, and inclusive leaders who are confident and highly effective who succeed in teamwork, social change, social responsibility, and community service with passion and integrity.

Justification
-

Admission Criteria
There are no additional criteria to declare in this major.

Degree Map Name
Leadership Residential Program Sample Degree Plan
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	Fall 1	15

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- EC106 - The Structure and Operation of the World Economy

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- LEAD111 - Foundations of Leadership

Semester/Term Credits 3

Requirement
- IN101 - Introduction to International Studies

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Requirement
- HI108 - The History of Civilization II

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- LEAD112 - Introduction to Leadership (Inactive)

Semester/Term Credits 3

Requirement
- SO202 - Problems of Modern Society

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- LEAD201 - Principles of Leadership

Semester/Term Credits 3

Requirement
- LEAD202 - Theories and Models of Leadership

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- PH110 - Think! Intro to Philosophy

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	13

Requirement
- LEAD211 - Authentic Leadership

Semester/Term Credits 1

Requirement
- LEAD212 - Strategic Leadership

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- PY236 - Cross-Cultural Psychology

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- LEAD301 - Leading Cultural Competencies

Semester/Term Credits 4

Requirement
- PY211 - Introduction to Psychology (Inactive)

Semester/Term Credits 3

Requirement
- EN244 - The Literature of Leadership

Semester/Term Credits 3

Requirement
- MG309 - Management of Organizations

Semester/Term Credits 3

Requirement
- LEAD302 - Leading as Engaged Citizens

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- LEAD311 - Global Leadership

Semester/Term Credits 4

Requirement
- PH230 - Logic

Semester/Term Credits 3

Requirement
- MG351 - Organizational Behavior

Semester/Term Credits 3

Requirement
- PH322 - Money, Meaning and Morality

Semester/Term Credits 3

Requirement
- LEAD312 - Leading High Performance Teams

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- LEAD401 - Leadership Internship

Semester/Term Credits 6

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- LEAD402 - Leadership Capstone

Semester/Term Credits 3

Requirement
- MG409 - Organizational Leadership

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Degree Map Name
Leadership Online Program Sample Degree Map
Degree Credits
123

Year	Term	Semester/Term Credits
Term 1	First 8 Weeks	6

Requirement
- Select One: Fine Arts/Humanities

Semester/Term Credits 3

Requirement
- WRIT110 - Writing and Inquiry in Public Contexts

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 1	Second 8 Weeks	9

Requirement
- LEAD111 - Foundations of Leadership

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 2	First 8 Weeks	6

Requirement
- Select One: Literature

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 2	Second 8 Weeks	9

Requirement
- Select One: History

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 3	First 8 Weeks	6

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Select One: Ethics

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 3	Second 8 Weeks	9

Requirement
- Select One: Writing & Research

Semester/Term Credits 3

Requirement
- Select One: Social Science

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 4	First 8 Weeks	6

Requirement
- LEAD201 - Principles of Leadership
  OR
- LEAD202 - Theories and Models of Leadership

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 4	Second 8 Weeks	9

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 5	First 8 Weeks	6

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 5	Second 8 Weeks	9

Requirement
- Major Support Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Support Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 6	First 8 Weeks	9

Requirement
- MNGT400 - Capstone

Semester/Term Credits 6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 6	Second 8 Weeks	9

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 7	First 8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 7	Second 8 Weeks	9

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 8	First 8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 8	Second 8 Weeks	9

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Master of Architecture

Program Details

Simple Requisites

Architecture I - Previous program of study in Architecture Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum B of 3.0 in the following:
- AP525 - Architectural Thesis Research
- AP526 - Architectural Thesis
- AP531 - Architectural Internship
- AP533 - Professional Practice
- AP558 - Contemporary and Global Issues

-

AND

Seminar

-

Complete at least 4 of the following courses:
- AP504 - Architectural Seminar in History and Theory
- AP514 - Architectural Seminar in Design
- AP520 - Architectural Seminar in Technology
- AP534 - Architectural Seminar in Process

Courses held to a B, 3.0 or higher.

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

Architecture III - Three Year Masters Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum B of 3.0 in the following:

- AP525 - Architectural Thesis Research
- AP526 - Architectural Thesis
- AP531 - Architectural Internship
- AP533 - Professional Practice
- AP534 - Architectural Seminar in Process
- AP558 - Contemporary and Global Issues
- AP604 - History & Theory of 20th-Century Architecture
- AP605 - Analysis of Architectural Icons
- AP611 - Architectural Design I
- AP612 - Architectural Design II
- AP613 - Architectural Design III
- AP614 - Architectural Design IV
- AP621 - Site Development and Design
- AP625 - Introduction to Passive Environmental Design
- AP626 - Materials, Design, and Construction
- AP627 - Active Building Systems
- AP630 - Wood, Steel and Concrete Structures
- AP632 - Statics and Mechanics Materials
- AP636 - Project Delivery and Documentation

-

AND

Seminar

-

Complete at least 6 of the following courses:

- AP504 - Architectural Seminar in History and Theory
- AP514 - Architectural Seminar in Design
- AP520 - Architectural Seminar in Technology
- AP534 - Architectural Seminar in Process

Courses held to a B, 3.0 or higher.

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

Program Delivery
Residential Program

Degree Designation
Master of Architecture

Program Level
Graduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Architecture & Art

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Gain a way of thinking, rooted in the iterative, test-and-learn approach to creativity and innovation.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Learn to utilize techniques, skills, conventions, and modern digital and hand tools and techniques necessary for professional practice.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand structural systems, heating and cooling systems, circulation systems, building systems, etc.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Practice resilient and sustainable design.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Learn materials and methods for construction.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Prepare and deliver construction documents.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Be trained in the ethics of the profession and learn to make ethical decisions.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Function as a member of a multidisciplinary team and be able to assume leadership roles on the team.

Justification
-

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Understand and begin the process of architectural internship, training and registration necessary for the profession as well as the expectation for lifelong learning.	**Justification**
	-

Admission Criteria
Master of Architecture I (Previous B.S./B.A. major in Architecture)

This pathway builds on a student's undergraduate experience to provide the foundation for a career as a professional architect. This is a one year program consisting of a summer internship and one academic year comprising graduate-level seminars and an individual, custom-designed thesis experience designed around a topic of the student's choosing.

In the summer, students work as an intern in an architecture office (or in a design-related firm). Coursework is completed using distance-learning techniques, which permits students to work where they wish and encourages them to master digital communications technology, important to architectural practice.

Admission Requirements:

Students who are enrolled in the Architecture major at Norwich, may apply to the M.Arch. accelerated program at any time after their 7th semester. If they choose to graduate with the BS/AS and leave the university, they may apply to the program at a future date. Students from other universities should contact the Graduate Program Director for Admission Requirements and Deadlines.

Admission to the M.Arch. accelerated pathway is based on:

- minimum cumulative GPA of 2.50
- minimum GPA of 2.75 in all design studio courses
- Submission of a portfolio, conforming to the criteria in effect at the time of application, for review and approval by the architecture graduate admissions committee.

Students are provisionally accepted until they meet the graduation requirements for the BS degree. Accepted students may defer their start of coursework for one year. Beyond the one-year deferral, they must reapply. Reapplications will be evaluated under the admission criteria in effect at the time of reapplication.

Architecture III (B.S./B.A. in a major other than Architecture)

For students who hold a baccalaureate degree in any field from an accredited college or university, the M.Arch. III provides a pathway for completion of the Master of Architecture in three years. Students with a pre-professional undergraduate architecture degree (e.g., B.S.A.S.), coursework taken in a NAAB-accredited program, or other architecture-related coursework may be eligible for transfer credit after evaluation of a portfolio submitted with the required application materials.

The curriculum follows a prescribed core of foundational courses, graduate-level seminars, a comprehensive studio, and an individual, custom-designed thesis experience designed around a topic of the student's choosing.

The Master of Architecture degree is the first professional degree and is required for licensure.

Admission Requirements

Please contact the Graduate Program Director for Admission Requirements and deadlines.

Degree Map Name
Architecture I, 1 Year
Degree Credits
34

Year	Term	Semester/Term Credits
Year 1	Summer 1	6

Requirement
- AP531 - Architectural Internship

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Fall 1	14

Requirement

- AP525 - Architectural Thesis Research

Semester/Term Credits 5

Requirement

- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Requirement

- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Requirement

- AP558 - Contemporary and Global Issues

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	14

Requirement

- AP526 - Architectural Thesis

Semester/Term Credits 5

Requirement

- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Requirement

- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Requirement
- AP533 - Professional Practice

Semester/Term Credits 3

Degree Map Name
Architecture III, Three Year
Degree Credits
90 - 94

Year	Term	Semester/Term Credits
Year 1	Fall 1	15

Requirement
- AP611 - Architectural Design I

Semester/Term Credits 6

Requirement
- AP605 - Analysis of Architectural Icons

Semester/Term Credits 3

Requirement
- AP625 - Introduction to Passive Environmental Design

Semester/Term Credits 3

Requirement
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	14

Requirement
- AP612 - Architectural Design II

Semester/Term Credits 5

Requirement
- AP604 - History & Theory of 20th-Century Architecture

Semester/Term Credits 3

Requirement
- AP626 - Materials, Design, and Construction

Semester/Term Credits 3

Requirement
- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Year	Term	Semester/Term Credits

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- AP613 - Architectural Design III

Semester/Term Credits 5

Requirement
- AP621 - Site Development and Design

Semester/Term Credits 3

Requirement
- AP632 - Statics and Mechanics Materials

Semester/Term Credits 4

Requirement
- AP627 - Active Building Systems

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	12 - 16

Requirement
- AP614 - Architectural Design IV

Semester/Term Credits 5

Requirement
- AP636 - Project Delivery and Documentation

Semester/Term Credits 0 - 4

Requirement
- AP630 - Wood, Steel and Concrete Structures

Semester/Term Credits 4

Requirement
- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Summer 3	6

Requirement
- AP531 - Architectural Internship

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 3	Fall 3	14

Requirement

- AP525 - Architectural Thesis Research

Semester/Term Credits 5

Requirement

- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Requirement

- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Requirement

- AP558 - Contemporary and Global Issues

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	14

Requirement

- AP526 - Architectural Thesis

Semester/Term Credits 5

Requirement

- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Requirement

- AP504 - Architectural Seminar in History and Theory
  OR
- AP514 - Architectural Seminar in Design
  OR
- AP520 - Architectural Seminar in Technology
  OR
- AP534 - Architectural Seminar in Process

Semester/Term Credits 3

Requirement
- AP533 - Professional Practice

Semester/Term Credits 3

Master of Athletic Training

Program Details

Simple Requisites

Master of Athletic Training Requirements
Type
Completion Requirement

Core Courses

Course requirements must have a combined minimum grade point average of B (3.0). Up to two classes will be allowed to be completed with a minimum grade of C+.

1,000 Clinical Hours must be completed as a part of the program requirements.

Earn a minimum C+ of 2.3 in the following:
- HHPR501 - Athletic Training in Healthcare
- HHPR504 - Advanced Emergency Management
- HHPR505 - Care of Orthopedic Injuries
- HHPR506 - Therapeutic Interventions
- HHPR507 - Care of Orthopedic Injuries II
- HHPR508 - Therapeutic Interventions II
- HHPR509 - Clinical Experience in Athletic Training II
- HHPR601 - Medical Conditions in Athletic Training 1
- HHPR602 - Medical Conditions in Athletic Training II
- HHPR603 - Clinical Experience in Athletic Training III
- HHPR604 - Clinical Experience in Athletic Training IV
- HHPR605 - Administration in Athletic Training
- HHPR606 - Injury and Disease Prevention
- HHPR608 - Leadership and Professional Advancement
- HHPR610 - Clinical Experience in Athletic Training V
- HHPR611 - Seminar in Athletic Training
- HHPR612 - Leadership and Professional Advancement II
- HHPR613 - Behavioral Health in Athletic Training

-

Additional Comments:
Each course must be completed witCourse requirements must have a combined minimum grade point average of B (3.0). Up to two classes will be allowed to be completed with a minimum grade of C+.

Program Delivery
Residential Program

Degree Designation
Master of Athletic Training

Program Level
Graduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Health and Human Performance

Name
-

Tags
-

Assessment
Students complete Comprehensive Examinations (CE) in each clinical experience that reflects didactic content as it would appear on their national credentialing examination. The benchmark for successful completion of CEs increases from 65% in the first clinical course to 80% prior to graduation.

Activity
-

Outcome
Students will gain a comprehensive education in Athletic Training from a diversely educated and experienced faculty.

Justification
-

Name -	**Tags** -
Activity -	**Assessment** Students develop and present to an internal or external audience a case study written on a clinical case they engaged with in clinical practice.
Outcome Students will lead classroom experiences with guidance and mentoring from clinicians, advisors, and faculty.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** All students complete reflections on patient care provided through the completion of no less than 80 Clinical Practice Assessment (CPA) forms demonstrating progression in application of didactic knowledge and skills as assessed by clinical preceptors or faculty.
Outcome Students translated classroom leadership into transformative clinical experience through patient care and simulated practice.	**Justification** -

Admission Criteria
Providing an official transcript from an accredited institution demonstrating successful completion of a bachelor's degree OR enrollment in an approved accelerated curriculum.

- Maintain/provide proof of an overall undergraduate GPA of at least 2.75.
- Provide verification of Certification in Emergency Cardiac Care through a course that meets the standards set forth by the Board of Certification.
- Provide completed program application
- Provide documentation of having completed at least 30 observation hours with a Certified Athletic Trainer
- Provide a cover letter
- Provide a résumé
- Provide a reference letter from a Certified Athletic Trainer
- Adhere to the technical standards of the program as described in the student handbook.

Students wishing to pursue the Master of Athletic Training degree may do so either as part of the accelerated BS-to-MAT program in 3+2 years, or two years as a graduate student.

To be considered for admission into the MAT program, the following criteria is required:

Overall GPA 2.75

Students enrolled in an accelerated program applying with less than 2.75 GPA may still be conditionally approved to enroll in 500 level coursework with permission from the Program Director.

Completion of undergraduate coursework

Students enrolled in an accelerated program may complete up to 6 credits per semester outside of the MAT curriculum. *

Note: enrolling in 6 credits on top of the 500-level coursework may place students on financial overload.

*All prerequisite/ foundational knowledge courses listed below MUST be complete prior to 500 level work

Prerequisite coursework overall GPA of 2.3

Prerequisite coursework requiring an average 2.3 GPA includes:

- BI 101 Principles of Biology
- BI 215 Human Anatomy and Physiology I
- BI 216 Human Anatomy and Physiology II
- CH 103 General Chemistry I
- PS 201 Physics I

- HHPR 301 Exercise Physiology
- HHPR 365 Kinesiology
- PY 211 Introduction to Psychology
- MA 232 Statistics

Degree Map Name
Master of Athletic Training Degree Plan
Degree Credits
53

Year	Term	Semester/Term Credits
Year 1	Fall 1	12

Requirement
- HHPR501 - Athletic Training in Healthcare

Semester/Term Credits 1

Requirement
- HHPR505 - Care of Orthopedic Injuries

Semester/Term Credits 4

Requirement
- HHPR507 - Care of Orthopedic Injuries II

Semester/Term Credits 4

Requirement
- HHPR606 - Injury and Disease Prevention

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- HHPR508 - Therapeutic Interventions II

Semester/Term Credits 4

Requirement
- HHPR509 - Clinical Experience in Athletic Training II

Semester/Term Credits 3

Requirement
- HHPR504 - Advanced Emergency Management

Semester/Term Credits 3

Requirement
- HHPR506 - Therapeutic Interventions

Semester/Term Credits 3

Requirement
- HHPR601 - Medical Conditions in Athletic Training 1

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Summer 1	6

Requirement
- HHPR602 - Medical Conditions in Athletic Training II

Semester/Term Credits 3

Requirement
- HHPR603 - Clinical Experience in Athletic Training III

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	8

Requirement
- HHPR604 - Clinical Experience in Athletic Training IV

Semester/Term Credits 3

Requirement
- HHPR605 - Administration in Athletic Training

Semester/Term Credits 2

Requirement
- HHPR608 - Leadership and Professional Advancement

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	11

Requirement
- HHPR610 - Clinical Experience in Athletic Training V

Semester/Term Credits 3

Requirement
- HHPR611 - Seminar in Athletic Training

Semester/Term Credits 3

Requirement
- HHPR613 - Behavioral Health in Athletic Training

Semester/Term Credits 3

Requirement
- HHPR612 - Leadership and Professional Advancement II

Semester/Term Credits 2

Engineering - Mechanical

Program Details

Simple Requisites

Mechanical Engineering (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- CH103 - General Chemistry I
- EE206 - Electric Circuits for Non Electrical Engineering Majors
- EE327 - Introduction to Mechatronics
- EG201 - Engineering Mechanics-Statics
- EG202 - Engineering Mechanics-Dynamics
- EG203 - Materials Science
- EG206 - Thermodynamics I
- EG301 - Mechanics of Materials
- EG303 - Fluid Mechanics
- EG350 - Engineering Economics and Decision Analysis
- EG450 - Professional Issues
- MA121 - Calculus I
- MA122 - Calculus II
- MA223 - Calculus III
- MA224 - Differential Equations
- ME100 - Introduction to Mechanical Engineering Programming
- ME121 - Introduction to Mechanical Engineering Lab
  OR EE121 - Introduction to Electrical and Computer Engineering Lab
  OR CE121 - Introduction to Civil Engineering Lab
- ME211 - Mechanical Engineering Tools I
- ME213 - Design and Professional Practice
- ME216 - Mechanics and Materials Laboratory
- ME307 - Thermodynamics II
- ME311 - Mechanical Engineering Tools II
- ME326 - Introduction to System Dynamics
- ME356 - Manufacturing Processes
- ME368 - Machine Design
- ME370 - Mechanical Systems Design
- ME381 - Measurements & Instrumentation
- ME435 - Mechanical Control Systems
- ME465 - Heat Transfer
- ME467 - Mechanical Engineering Design I
- ME468 - Mechanical Engineering Design II
- ME487 - Thermal-Fluids Laboratory
- PS211 - University Physics I
- PS212 - University Physics II

-

AND

Mathematics Elective

-

Earn at least 3 credits from the following:

- MA212 - Finite Mathematics
- MA232 - Elementary Statistics
- MA240 - Introduction to Number Theory and Cryptology
- MA303 - Advanced Calculus I
- MA304 - Advanced Calculus II
- MA306 - Discrete Mathematics
- MA310 - Linear Algebra
- MA311 - Statistical Methodology
- MA318 - Cryptology
- MA332 - Advanced Statistical Methods
- MA370 - Introduction to Operations Research

- MA405 - Complex Analysis

Other Mathematics 200 level (or higher) 3+ credit courses may be approved subject to completion of the course prerequisites and a positive recommendation from the student's academic advisor and the Mechanical Engineering department chair.

AND

Mechanical Engineering Elective

-

Complete at least 2 courses in the following course sets:

- Mechanical Engineering 400-499

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Engineering, School of

Name
-

Tags
-

Assessment
The program chair tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.

Justification
-

Name
-

Tags
-

Assessment
The program chair tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.

Justification
-

Name
-

Tags
-

Assessment
The program chair tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Communicate effectively with a range of audiences.

Justification
-

Name
-

Tags
-

Assessment
The program chair tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.

Justification
-

Name
-

Tags
-

Assessment
The program chair tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.

Justification
-

Name
-

Tags
-

Assessment
The program chair tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.

Justification
-

Name
-

Tags
-

Assessment
The program chair tracks which courses the students are taking in the program, with designated courses that are used to assess the specific learning outcomes using rubrics (common rubrics used across all engineering disciplines). Each learning outcome is assessed once every two years. Program faculty meet annually to discuss the assessments made in the previous year and make recommendations for improvements if the attainment of the outcomes falls below expectations.

Activity
-

Outcome
Acquire and apply new knowledge as needed, using appropriate learning strategies.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Mechanical Engineering Sample Degree Plan
Degree Credits
131 - 135

Year	Term	Semester/Term Credits
Year 1	Fall 1	14

Requirement
- EG121 - Introduction to the Engineering Profession

Semester/Term Credits 1

Requirement
- CE121 - Introduction to Civil Engineering Lab
  OR
- ME121 - Introduction to Mechanical Engineering Lab
  OR
- EE121 - Introduction to Electrical and Computer Engineering Lab

Semester/Term Credits 2

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- MA121 - Calculus I

Semester/Term Credits 4

Requirement
- General Education Goal 1

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	18

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- ME211 - Mechanical Engineering Tools I

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- PS211 - University Physics I

Semester/Term Credits 4

Requirement
- ME100 - Introduction to Mechanical Engineering Programming

Semester/Term Credits 1

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	16

Requirement
- EG201 - Engineering Mechanics-Statics

Semester/Term Credits 3

Requirement
- MA223 - Calculus III

Semester/Term Credits 4

Requirement
- PS212 - University Physics II

Semester/Term Credits 4

Requirement
- EG203 - Materials Science

Semester/Term Credits 3

Requirement
- ME213 - Design and Professional Practice

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 2	Spring 2	14 - 18

Requirement
- EG202 - Engineering Mechanics-Dynamics

Semester/Term Credits 3

Requirement
- EE206 - Electric Circuits for Non Electrical Engineering Majors

Semester/Term Credits 4

Requirement
- MA224 - Differential Equations

Semester/Term Credits 0 - 4

Requirement
- EG301 - Mechanics of Materials

Semester/Term Credits 3

Requirement
- ME216 - Mechanics and Materials Laboratory

Semester/Term Credits 1

Requirement
- EG206 - Thermodynamics I

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- ME307 - Thermodynamics II

Semester/Term Credits 3

Requirement
- ME311 - Mechanical Engineering Tools II

Semester/Term Credits 2

Requirement
- ME326 - Introduction to System Dynamics

Semester/Term Credits 3

Requirement
- ME381 - Measurements & Instrumentation

Semester/Term Credits 2

Requirement
- ME368 - Machine Design

Semester/Term Credits 3

Requirement
- Math Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	17

Requirement
- ME356 - Manufacturing Processes

Semester/Term Credits 4

Requirement
- ME370 - Mechanical Systems Design

Semester/Term Credits 3

Requirement
- EE327 - Introduction to Mechatronics

Semester/Term Credits 4

Requirement
- ME435 - Mechanical Control Systems

Semester/Term Credits 3

Requirement
- EG303 - Fluid Mechanics

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	18

Requirement
- ME465 - Heat Transfer

Semester/Term Credits 4

Requirement
- ME467 - Mechanical Engineering Design I

Semester/Term Credits 3

Requirement
- ME487 - Thermal-Fluids Laboratory

Semester/Term Credits 2

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Mechanical Engineering 400-499

Semester/Term Credits 3

Requirement
- EG350 - Engineering Economics and Decision Analysis

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	18

Requirement
- EG450 - Professional Issues

Semester/Term Credits 3

Requirement
- ME468 - Mechanical Engineering Design II

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Mechanical Engineering 400-499

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Management

Program Details

Simple Requisites

Management (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- AC205 - Principles of Accounting-Financial
- AC206 - Principles of Accounting-Managerial
- CS300 - Management Information Systems
- EC106 - The Structure and Operation of the World Economy
- EC201 - Principles of Economics (Macro)
- EC202 - Principles of Economics (Micro)
- EC310 - Money and Banking
- CS120 - Business Applications & Problem Solving Techniques
- EN112 - Public Speaking
- FN200 - Fundamentals of Finance
- FN311 - Corporate Finance
- MA107 - Precalculus Mathematics
  OR MA108 - Applied Calculus
  OR MA121 - Calculus I
- MA212 - Finite Mathematics
- MA232 - Elementary Statistics
  OR QM213 - Business and Economic Statistics I
- WRIT204 - Professional and Technical Writing

Testing out of MA 107 will complete the Precalculus requirement.

AND

Concentration

-

Fulfill ANY of the following requirements:

Computer Information Systems Concentration

Majors in Computer Science or Information Systems are ineligible to declare this concentration.

Fulfill ALL of the following requirements:

Computer Science Courses

-

Complete ALL of the following Courses:

- CS100 - Foundations of Computer Science and Information Assurance
- CS301 - Software Engineering
- CS140 - Programming and Computing
  OR CS142 - Introduction to Python Programming

CS 100 offers a course assessment option to waive the requirement.

AND

Upper-level Elective

-

Complete at least 3 courses in the following course sets:

- Computer Science 200-499
- Digital Forensics 200-499
- Information Assurance 200-499

-

-

OR

Financial Economics Concentration

-

Fulfill ALL of the following requirements:

Financial Courses

-

Complete ALL of the following Courses:

- EC406 - Public Finance
- EC419 - International Economics
- FN412 - Investments
- QM370 - Quantitative Methods for Marketing & Finance

-

AND

Upper-level Finance

-

Complete at least 2 of the following courses:

- FN407 - Corporate Finance II
- MA370 - Introduction to Operations Research
- MG230 - Personal Financial Literacy
- MG360 - Health Economics & Policy

Additionally, may select from Economics (EC) 300-499.

-

OR

International Business

-

Fulfill ALL of the following requirements:

International courses

-

Complete ALL of the following Courses:

- EC419 - International Economics
- MG232 - Intercultural Engagements
- MG320 - International Marketing
- PO215 - International Relations

-

AND

International business topics

-

Complete at least 2 of the following courses:

- COMM261 - Interpersonal Communication
- PO105 - American Politics
- PO202 - Introduction to Comparative Politics

Additionally, may select from Political Science (PO) 300-499.

-

OR

Leadership Concentration

-

Fulfill ALL of the following requirements:

Leadership courses

-

Complete ALL of the following Courses:

- MG351 - Organizational Behavior
- MG408 - Human Resources Management
- MG409 - Organizational Leadership
- PY210 - Psychology of Leadership

-

AND

Leadership Topics

-

Complete at least 2 of the following courses:

- COMM261 - Interpersonal Communication
- EN244 - The Literature of Leadership

Additionally, may select from Aerospace Studies (AS) 300-499, Military Science (MS) 300-499, or Naval Science (NS) 300-499

-

OR

Marketing Concentration

-

Fulfill ALL of the following requirements:

Marketing Courses

-

Complete ALL of the following Courses:

- MG314 - Marketing Management
- MG318 - Social Media Marketing
- MG320 - International Marketing
- MG426 - Marketing Research

-

AND

Management topics

-

Complete at least 2 of the following courses:

- COMM261 - Interpersonal Communication
- MG316 - Sales Management
- MG325 - Marketing Analytics
- MG416 - Advanced Marketing
- MG441 - Integrated Marketing Communications
- MG450 - Internship in Management

-

-

OR

Sports Management Concentration

-

Fulfill ALL of the following requirements:

Sport Management courses

-

Complete ALL of the following Courses:

- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR333 - Management Sports Facilities
- MG261 - Leadership in Coaching
- MG450 - Internship in Management

-

AND

Sport Management Topics

-

Complete at least 2 of the following courses:

- HI262 - History of Baseball
- MG224 - Principles of Entrepreneurship
- MG316 - Sales Management
- MG318 - Social Media Marketing
- MG320 - International Marketing
- MG408 - Human Resources Management
- WRIT254 - Sports Writing

-

-

One concentration is required. All concentration courses are held to a C, or higher.

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Business, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Know the four functions of management (Planning, Organization, Leadership and Control) and be able to apply them within an ethical framework.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Apply the four functions of management within specific functional areas of business.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand the cross-functional nature of business and be able to apply the four functions of management within the overall enterprise.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Have basic competency in all of the functional areas of business.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Management Sample Degree Plan
Degree Credits
117 - 121

Year	Term	Semester/Term Credits
Year 1	Fall 1	12 - 16

Requirement

- CS120 - Business Applications & Problem Solving Techniques

Semester/Term Credits 3

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- MG101 - Introduction to Business

Semester/Term Credits 3

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- EC106 - The Structure and Operation of the World Economy

Semester/Term Credits 3

Requirement
- QM213 - Business and Economic Statistics I

Semester/Term Credits 3

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- AC205 - Principles of Accounting-Financial

Semester/Term Credits 3

Requirement
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement
- MG227 - Principles of Marketing

Semester/Term Credits 3

Requirement
- QM317 - Business and Economic Statistics II

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- AC206 - Principles of Accounting-Managerial

Semester/Term Credits 3

Requirement
- EC201 - Principles of Economics (Macro)

Semester/Term Credits 3

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Requirement
- MA212 - Finite Mathematics

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- CS300 - Management Information Systems

Semester/Term Credits 3

Requirement
- EN112 - Public Speaking

Semester/Term Credits 3

Requirement
- FN200 - Fundamentals of Finance

Semester/Term Credits 3

Requirement
- MG310 - Production/Operations Management

Semester/Term Credits 3

Requirement
- PH322 - Money, Meaning and Morality

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- EC310 - Money and Banking

Semester/Term Credits 3

Requirement
- FN311 - Corporate Finance

Semester/Term Credits 3

Requirement
- MG309 - Management of Organizations

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- MG319 - International Dimensions of Business

Semester/Term Credits 3

Requirement
- MG341 - Business Law I

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- MG449 - Administrative Policy and Strategy

Semester/Term Credits 3

Requirement
- MG346 - Business Law II

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Mathematics

Program Details

Simple Requisites

Mathematics (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Introductory Courses

-

Earn a minimum C of 2.0 in the following:
- MA121 - Calculus I
- MA122 - Calculus II
- MA223 - Calculus III
- MA224 - Differential Equations

One course is permitted to be below a C grade.

AND

Upper-Level Mathematics

-

Complete ALL of the following Courses:

- MA303 - Advanced Calculus I
- MA306 - Discrete Mathematics
- MA309 - Algebraic Structures
- MA310 - Linear Algebra
- MA311 - Statistical Methodology
- MA411 - Senior Seminars

-

AND

Support Courses

-

Complete ALL of the following Courses:

- MA250 - Communication in Mathematics
- PH215 - Survey of Ethics
- PS211 - University Physics I
- EN222 - Introduction to World Literatures

-

AND

Technical Courses Pick List Options

-

Complete at least 2 courses in the following course sets:

- Biology 100-499
- Civil Engineering 100-499
- Chemistry 100-499
- Computer Science 100-499
- Electrical Engineering 100-499
- General Engineering 100-499
- Environmental Science 100-499
- Finance 100-499
- Geology 100-499
- Mathematics 200-231
- Mathematics 233-499
- Mechanical Engineering 100-499
- Physics 100-499

-

AND

Concentration

-

Fulfill ANY of the following requirements:

No Concentration Option

-

Fulfill ALL of the following requirements:

300-level Mathematics

-

Complete ALL of the following Courses:

- MA304 - Advanced Calculus II

- MA312 - Statistical Methodology II

-

AND

300 and 400-level Mathematics

-

Complete at least 4 courses in the following course sets:

- Mathematics 300-499

Ecluding MA360 Tchg Math Elem-Middle Sch Lev.

-

OR

Actuary Science Concentration

-

Fulfill ALL of the following requirements:

Actuary Science courses

-

Earn a minimum C of 2.0 in the following:

- EC201 - Principles of Economics (Macro)
- EC202 - Principles of Economics (Micro)
- MA312 - Statistical Methodology II
- MA321 - Financial Mathematics

Any Mathematics course may replace MA321 Financial Mathematics.

AND

Upper-level Mathematics

-

Complete at least 3 courses in the following course sets:

- Mathematics 300-499

MA411 Senior Seminar or MA419 Internship in Mathematics with topics of Actuary Science may also meet the requirement.

-

OR

Secondary Education Mathematics Concentration

-

Fulfill ALL of the following requirements:

Education Courses

-

Complete ALL of the following Courses:

- ED104 - Foundations of Education
- ED234 - Learning and Teaching Strategies
- ED315 - Special Needs Child
- ED432 - Curriculum and Methods of Instruction
- MA361 - Teaching Mathematics at the Secondary Level
- PY110 - Introduction to Psychology
- PY324 - Adolescent Psychology
- PY352 - Learning and Memory

- SO214 - Racial and Cultural Minorities
- MA304 - Advanced Calculus II
  OR MA312 - Statistical Methodology II

-

AND

Student Teaching

-

Earn at least 12 credits from the following:

- ED425 - Student Teaching

-

AND

Upper-level Mathematics

-

Complete at least 3 courses in the following course sets:

- Mathematics 300-499

-

A student seeking licensure is required to pass the PRAXIS I Core Academic Skills for Educators Test and the Praxis II Content Test prior to placement in Student Teaching.

All licensure candidates are required to complete a Vermont Licensure Portfolio. Development of the portfolio begins in the sophomore year and is continued in subsequent courses. Substantial progress toward completion must be demonstrated to the Education Director before enrolling in student teaching.

At least one concentration (or the no concentration option) is required.

Six mathematics courses at the 300-Level or higher must be completed at a C, or higher.

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Mathematics

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Formulate and solve problems across various disciplines using mathematical methods.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate proficiency in theoretical, applied, routine, and non-routine problems.

Justification
-

Name
-

Tags
-

Activity	Assessment
-	-
Outcome	
Possess a strong understanding and broad knowledge of mathematics, including single and multivariable calculus, linear and abstract algebra.	**Justification** -

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Mathematics Sample Degree Plan
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	Fall 1	13

Requirement
- MA121 - Calculus I

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	13

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- MA241 - Mathematical Computation and Modeling

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- EN222 - Introduction to World Literatures

Semester/Term Credits 3

Requirement
- MA223 - Calculus III

Semester/Term Credits 4

Requirement
- MA306 - Discrete Mathematics

Semester/Term Credits 3

Requirement
- PS211 - University Physics I

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	Spring 2	13

Requirement
- MA224 - Differential Equations

Semester/Term Credits 4

Requirement
- MA310 - Linear Algebra

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- MA250 - Communication in Mathematics

Semester/Term Credits 1

Requirement
- MA303 - Advanced Calculus I

Semester/Term Credits 3

Requirement
- MA311 - Statistical Methodology

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	18

Requirement
- MA304 - Advanced Calculus II

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- PH215 - Survey of Ethics

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- MA303 - Advanced Calculus I

Semester/Term Credits 3

Requirement
- MA411 - Senior Seminars

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Degree Map Name
Secondary Education Mathematics Sample Degree Plan
Degree Credits
121 - 125

Year	Term	Semester/Term Credits
Year 1	Fall 1	16

Requirement
- MA121 - Calculus I

Semester/Term Credits 4

Requirement
- ED104 - Foundations of Education

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- MA241 - Mathematical Computation and Modeling

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- ED234 - Learning and Teaching Strategies

Semester/Term Credits 3

Requirement
- EN222 - Introduction to World Literatures

Semester/Term Credits 3

Requirement
- MA223 - Calculus III

Semester/Term Credits 4

Requirement
- MA306 - Discrete Mathematics

Semester/Term Credits 3

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	Spring 2	12 - 16

Requirement
- ED315 - Special Needs Child

Semester/Term Credits 3

Requirement
- MA224 - Differential Equations

Semester/Term Credits 0 - 4

Requirement
- MA310 - Linear Algebra

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- MA250 - Communication in Mathematics

Semester/Term Credits 1

Requirement
- MA309 - Algebraic Structures

Semester/Term Credits 3

Requirement
- MA311 - Statistical Methodology

Semester/Term Credits 3

Requirement
- MA361 - Teaching Mathematics at the Secondary Level

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- PY324 - Adolescent Psychology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	17

Requirement
- MA304 - Advanced Calculus II

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- ED432 - Curriculum and Methods of Instruction

Semester/Term Credits 4

Requirement
- PY352 - Learning and Memory

Semester/Term Credits 4

Requirement
- SO214 - Racial and Cultural Minorities

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- MA303 - Advanced Calculus I

Semester/Term Credits 3

Requirement
- MA411 - Senior Seminars

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- PH215 - Survey of Ethics

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	12

Requirement
- ED425 - Student Teaching

Semester/Term Credits 12

Degree Map Name
Mathematics - Actuary Science Sample Degree Plan
Degree Credits
117 - 121

Year	Term	Semester/Term Credits
Year 1	Fall 1	14

Requirement
- MA121 - Calculus I

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 1	Spring 1	13

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- MA241 - Mathematical Computation and Modeling

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- EC201 - Principles of Economics (Macro)

Semester/Term Credits 3

Requirement
- EN222 - Introduction to World Literatures

Semester/Term Credits 3

Requirement
- MA223 - Calculus III

Semester/Term Credits 4

Requirement
- MA306 - Discrete Mathematics

Semester/Term Credits 3

Requirement
- PS211 - University Physics I

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	Spring 2	12 - 16

Requirement
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement
- MA224 - Differential Equations

Semester/Term Credits 0 - 4

Requirement
- MA310 - Linear Algebra

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- MA250 - Communication in Mathematics

Semester/Term Credits 1

Requirement
- MA309 - Algebraic Structures

Semester/Term Credits 3

Requirement
- MA311 - Statistical Methodology

Semester/Term Credits 3

Requirement
- MA Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Technical Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- MA312 - Statistical Methodology II

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- MA419 - Internship in Mathematics

Semester/Term Credits 3

Requirement
- PH215 - Survey of Ethics

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- MA303 - Advanced Calculus I

Semester/Term Credits 3

Requirement
- MA411 - Senior Seminars

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Nursing - Accelerated

Program Details

Simple Requisites

Nursing - Accelerated (B.S.) Requirements

Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C+ of 2.3 in the following:

- HHPR200 - Foods and Nutrition
- MG360 - Health Economics & Policy
- NR103 - Nursing History and Health Promotion
- NR206 - Health Assessment Across the Lifespan
- NR211 - Pharmacology I
- NR215 - Client, Psychological/Mental Health Problems
- NR215L - Client, Psychological/Mental Health Problems
- NR217 - Simulation for Nursing Practice
- NR225 - Research For Evidence-Based Practice
  OR NR593 - Advanced Healthcare Professional Research and Evidence Based Practice
- NR232 - Technology and Informatics in Healthcare
  OR NR534 - Informatics and Healthcare Technologies
- NR261 - Pathophysiology
- NR316 - Care of the Adult 1
- NR316L - Care of the Adult 1 Practicum
- NR321 - Nursing Leadership
  OR NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role
- NR331 - Care of Women and Childbearing Family
- NR331L - Care of Women and Childbearing Family Practice
- NR341 - Care of Children/Child Rearing
- NR341L - Care of Children/Child Rearing
- NR361 - Pharmacology II
- NR416 - Care of the Adult II
- NR416L - Care of Adult II
- NR421 - Coordinator of Care
- NR421L - Coordinator of Care Practicum
- NR431 - Promoting Health in Communities
- NR431L - Promoting Health in Communities: Clinical Practicum
- NR441 - Nursing Capstone

-

-

Prerequisite Coursework

-

Fulfill ALL of the following requirements:

Math, Science and Psychology

-

Earn a minimum grade of C+ in the following:

- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II
- BI220 - Introductory Microbiology
- MA232 - Elementary Statistics
- PY220 - Developmental Psychology

All lab sciences must be four credits.

-

Program Delivery
Accelerated Programs, Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type	College	School/Department(s)
Major	College of Professional Schools	Nursing, School of

Name -	**Tags** -
Activity -	**Assessment** testing
Outcome Ethical behavior and clinical reasoning, promoting advocacy, collaboration and leadership in the patient care setting	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** testing
Outcome Professional accountability for nursing practice with an emphasis on patient safety	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** testing
Outcome Evidence-Based Practice skills with the ability to conduct basic research	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** testing
Outcome Patient centeredness with emphasis on families and communities.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** testing
Outcome Connectedness, with strong peer advocacy in the workplace environment	**Justification** -

Admission Criteria
Accelerated Program Admission Standards

In addition to the university General Admission Requirements, nursing applicants must:

- Earned Bachelor's degree or Associate of Arts, Associate of Science, or Associate of Arts & Sciences.
- A minimum of a 3.0 GPA
- Courses in math, science, or psychology must be above a C+
- It is preferred that all, or most, of the prerequisites are complete at the time of admission

Degree Map Name
Nursing - Accelerated Sample Degree Plan
Degree Credits

79

Year	Term	Semester/Term Credits
Year 1	Summer 1	19

Requirement
- NR103 - Nursing History and Health Promotion

Semester/Term Credits 3

Requirement
- NR206 - Health Assessment Across the Lifespan

Semester/Term Credits 3

Requirement
- NR217 - Simulation for Nursing Practice

Semester/Term Credits 4

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Requirement
- NR261 - Pathophysiology

Semester/Term Credits 3

Requirement
- NR225 - Research For Evidence-Based Practice

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Fall 1	20

Requirement
- NR232 - Technology and Informatics in Healthcare

Semester/Term Credits 3

Requirement
- NR316 - Care of the Adult 1

Semester/Term Credits 3

Requirement
- NR316L - Care of the Adult 1 Practicum

Semester/Term Credits 3

Requirement
- NR211 - Pharmacology I

Semester/Term Credits 3

Requirement
- NR215 - Client, Psychological/Mental Health Problems

Semester/Term Credits 3

Requirement
- NR215L - Client, Psychological/Mental Health Problems

Semester/Term Credits 2

Requirement
- MG360 - Health Economics & Policy

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 1	21

Requirement
- NR331 - Care of Women and Childbearing Family

Semester/Term Credits 3

Requirement
- NR331L - Care of Women and Childbearing Family Practice

Semester/Term Credits 2

Requirement
- NR341 - Care of Children/Child Rearing

Semester/Term Credits 3

Requirement
- NR341L - Care of Children/Child Rearing

Semester/Term Credits 2

Requirement
- NR416 - Care of the Adult II

Semester/Term Credits 4

Requirement
- NR416L - Care of Adult II

Semester/Term Credits 4

Requirement
- NR361 - Pharmacology II

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Summer 2	19

Requirement
- NR421 - Coordinator of Care

Semester/Term Credits 3

Requirement
- NR421L - Coordinator of Care Practicum

Semester/Term Credits 4

Requirement
- NR431L - Promoting Health in Communities: Clinical Practicum

Semester/Term Credits 2

Requirement
- NR431 - Promoting Health in Communities

Semester/Term Credits 3

Requirement
- NR441 - Nursing Capstone

Semester/Term Credits 4

Requirement
- NR321 - Nursing Leadership

Semester/Term Credits 3

Nursing - RN-BS

Program Details

Simple Requisites

Prerequisites
Type
Prerequisite

Requirements for RN-BS or RN-MSN

-

Earn a minimum grade of C+ in the following:
- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II
- BI220 - Introductory Microbiology
- MA232 - Elementary Statistics
- PY220 - Developmental Psychology

All lab science courses must be four credits.

Nursing RN-BS Requirements
Type
Completion Requirement

Requirements

-

Earn a minimum C+ of 2.3 in the following:
- HHPR200 - Foods and Nutrition
- MG360 - Health Economics & Policy
- NR103 - Nursing History and Health Promotion
- NR225 - Research For Evidence-Based Practice
- NR261 - Pathophysiology
- NR321 - Nursing Leadership
- NR232 - Technology and Informatics in Healthcare
- NR431 - Promoting Health in Communities
- NR431L - Promoting Health in Communities: Clinical Practicum
- NR441 - Nursing Capstone

-

Additional Comments:
Up to 49 additional credits in Nursing, which can be transferred from previous Nursing coursework.

RN-MSN Requirements
Type
Completion Requirement

Requirements

-

Earn a minimum C+ of 2.3 in the following:

- HHPR200 - Foods and Nutrition
- MG360 - Health Economics & Policy
- NR103 - Nursing History and Health Promotion
- NR261 - Pathophysiology
- NR534 - Informatics and Healthcare Technologies
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role
- NR431 - Promoting Health in Communities
- NR431L - Promoting Health in Communities: Clinical Practicum
- NR441 - Nursing Capstone

Up to 46 additional credits in Nursing, which can be transferred from previous Nursing coursework.

Program Delivery
Online Program, Accelerated Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Nursing, School of

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Ethical behavior and clinical reasoning, promoting advocacy, collaboration and leadership in the patient care setting

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Professional accountability for nursing practice with an emphasis on patient safety

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Evidence-Based Practice skills with the ability to conduct basic research

Justification
-

Name
-

Tags
-

Activity -	**Assessment** testing
Outcome Patient centeredness with emphasis on families and communities.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** testing
Outcome Connectedness, with strong peer advocacy in the workplace environment	**Justification** -

Admission Criteria
RN-BS in Nursing Program Admission Standards:

- An Associate degree in nursing from a regionally or nationally accredited institution and a nationally accredited nursing program.
- Up to 50 credits of nursing equivalent courses (satisfied with an active, unencumbered RN license in the United States).
- An active, unencumbered license as a Registered Nurse in your U.S. state of practice.
- Associate's degree with a 3.0 GPA or higher

There is no SAT or ACT requirement due to an earned Associate's degree. Additional credits may transfer to meet degree requirements.

Degree Map Name
Nursing RN-BS Sample Degree Plan
Degree Credits
48

Year	Term	Semester/Term Credits
Year 1	Term 1	10

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- PY220 - Developmental Psychology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	14

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- BI220 - Introductory Microbiology

Semester/Term Credits 4

Requirement
- NR103 - Nursing History and Health Promotion

Semester/Term Credits 3

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	12

Requirement
- NR232 - Technology and Informatics in Healthcare

Semester/Term Credits 3

Requirement
- NR225 - Research For Evidence-Based Practice

Semester/Term Credits 3

Requirement
- NR321 - Nursing Leadership

Semester/Term Credits 3

Requirement
- NR261 - Pathophysiology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 4	12

Requirement
- NR431 - Promoting Health in Communities

Semester/Term Credits 3

Requirement
- NR431L - Promoting Health in Communities: Clinical Practicum

Semester/Term Credits 2

Requirement
- NR441 - Nursing Capstone

Semester/Term Credits 4

Requirement
- MG360 - Health Economics & Policy

Semester/Term Credits 3

Degree Map Name
Nursing RN-MSN Sample Degree Plan
Degree Credits
48

Year	Term	Semester/Term Credits
Year 1	Term 1	10

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- PY220 - Developmental Psychology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	14

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- BI220 - Introductory Microbiology

Semester/Term Credits 4

Requirement
- NR103 - Nursing History and Health Promotion

Semester/Term Credits 3

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	12

Requirement
- NR534 - Informatics and Healthcare Technologies

Semester/Term Credits 3

Requirement
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role

Semester/Term Credits 3

Requirement
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

Semester/Term Credits 3

Requirement
- NR261 - Pathophysiology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 4	12

Requirement
- NR431 - Promoting Health in Communities

Semester/Term Credits 3

Requirement
- NR431L - Promoting Health in Communities: Clinical Practicum

Semester/Term Credits 2

Requirement
- NR441 - Nursing Capstone

Semester/Term Credits 4

Requirement
- MG360 - Health Economics & Policy

Semester/Term Credits 3

Nursing - Traditional 4-Year

Program Details

Simple Requisites

Nursing - Traditional (B.S.)
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Science and Nursing Courses

-

Earn a minimum C+ of 2.3 in the following:
- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II
- BI220 - Introductory Microbiology
- HHPR200 - Foods and Nutrition
- MA232 - Elementary Statistics
- NR103 - Nursing History and Health Promotion
- NR206 - Health Assessment Across the Lifespan
- NR211 - Pharmacology I
- NR215 - Client, Psychological/Mental Health Problems
- NR215L - Client, Psychological/Mental Health Problems
- NR217 - Simulation for Nursing Practice
- NR225 - Research For Evidence-Based Practice
- NR232 - Technology and Informatics in Healthcare
- NR261 - Pathophysiology
- NR316 - Care of the Adult 1
- NR316L - Care of the Adult 1 Practicum
- NR321 - Nursing Leadership
- NR331 - Care of Women and Childbearing Family
- NR331L - Care of Women and Childbearing Family Practice
- NR361 - Pharmacology II
- NR341 - Care of Children/Child Rearing
- NR341L - Care of Children/Child Rearing

- NR416 - Care of the Adult II
- NR416L - Care of Adult II
- NR421 - Coordinator of Care
- NR421L - Coordinator of Care Practicum
- NR431 - Promoting Health in Communities
- NR431L - Promoting Health in Communities: Clinical Practicum
- NR441 - Nursing Capstone

All lab sciences must be four credits.

AND

Additional Coursework

-

Complete ALL of the following Courses:

- MG360 - Health Economics & Policy
- PY110 - Introduction to Psychology
- PY220 - Developmental Psychology
- SO201 - Introduction to Sociology

-

AND

Mathematics Course

-

Earn a minimum C+ of 2.3 in the following:

- Mathematics 100-499

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Nursing, School of

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Ethical behavior and clinical reasoning, promoting advocacy, collaboration and leadership in the patient care setting

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Professional accountability for nursing practice with an emphasis on patient safety

Justification
-

Name
-

Tags
-

Activity -	**Assessment** testing
Outcome Evidence-Based Practice skills with the ability to conduct basic research	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** testing
Outcome Patient centeredness with emphasis on families and communities.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** testing
Outcome Connectedness, with strong peer advocacy in the workplace environment	**Justification** -

Admission Criteria
Traditional Program Admission standards

In addition to the university General Admission Requirements, nursing applicants must:

- Meet or exceed the SAT requirement of 1050 for Math and Reading combined
- Complete 4 years of high school (HS) math including a minimum of two of the following: Algebra, Geometry, Trigonometry or Pre-calculus or Calculus.
- Complete 3 years of HS science including Biology and Chemistry
- College-level GPA must be at a minimum of 3.0
- An applicant transferring from another nursing program must submit a letter of reference from the Chairperson/Dean of the transferring school prior to acceptance.
- Background screening is a requirement for admission and condition of both acceptance and progression in nursing
- Students must also submit to an intermittent background screening as required by clinical agencies. A criminal record deemed to be of consequence or the habitual intemperate use or addiction to habit-forming substances precludes enrollment in the Program.

Pre-Nursing Major Pathway

A student not meeting the General Admission Requirements into the Nursing major, may declare the Pre-Nursing major. A Pre-Nursing major must meet the following criteria before acceptance into the Nursing major and prior to enrolling into 200-level, or higher Nursing courses. Once the following is completed, a Pre-Nursing major not meeting the Nursing major admission requirements will be classified as undecided while they determine a suitable program of study.

- Complete at a grade of C+ or higher: NR103, BI 215, BI 216, MA 232 (MATH232), and HHPR 200.
- Complete: PY 110.
- Cumulative Norwich GPA 3.0.
- Cumulative non-Norwich GPA 3.0, if applicable.
- In addition, once the above is met,
    - A Background screening is required as a condition of both acceptance and progression in nursing.
    - Submit to an intermittent background screening as required by clinical agencies. A criminal record deemed to be of consequence or the habitual intemperate use or addiction to habit-forming substances precludes enrollment in the Nursing Program.

Degree Map Name
Nursing Traditional Sample Degree Plan
Degree Credits
118 - 122

Year	Term	Semester/Term Credits
Year 1	Fall 1	10

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- NR103 - Nursing History and Health Promotion

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	16

Requirement
- NR206 - Health Assessment Across the Lifespan

Semester/Term Credits 4

Requirement
- NR232 - Technology and Informatics in Healthcare

Semester/Term Credits 3

Requirement
- PY220 - Developmental Psychology

Semester/Term Credits 3

Requirement
- Mathematics 100-499

Semester/Term Credits 3

Requirement
- SO201 - Introduction to Sociology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	12 - 16

Requirement
- BI220 - Introductory Microbiology

Semester/Term Credits 4

Requirement
- NR215 - Client, Psychological/Mental Health Problems

Semester/Term Credits 3

Requirement
- NR215L - Client, Psychological/Mental Health Problems

Semester/Term Credits 2

Requirement
- NR217 - Simulation for Nursing Practice

Semester/Term Credits 0 - 4

Requirement
- NR261 - Pathophysiology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- NR225 - Research For Evidence-Based Practice

Semester/Term Credits 3

Requirement
- NR316 - Care of the Adult 1

Semester/Term Credits 3

Requirement
- NR316L - Care of the Adult 1 Practicum

Semester/Term Credits 3

Requirement
- NR211 - Pharmacology I

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- NR321 - Nursing Leadership

Semester/Term Credits 3

Requirement
- NR331 - Care of Women and Childbearing Family

Semester/Term Credits 3

Requirement
- NR331L - Care of Women and Childbearing Family Practice

Semester/Term Credits 2

Requirement
- NR341 - Care of Children/Child Rearing

Semester/Term Credits 3

Requirement
- NR341L - Care of Children/Child Rearing

Semester/Term Credits 2

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	17

Requirement
- NR416 - Care of the Adult II

Semester/Term Credits 4

Requirement
- NR416L - Care of Adult II

Semester/Term Credits 4

Requirement
- NR361 - Pharmacology II

Semester/Term Credits 3

Requirement
- MG360 - Health Economics & Policy

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	16

Requirement
- NR421 - Coordinator of Care

Semester/Term Credits 3

Requirement
- NR421L - Coordinator of Care Practicum

Semester/Term Credits 4

Requirement
- NR431 - Promoting Health in Communities

Semester/Term Credits 3

Requirement
- NR431L - Promoting Health in Communities: Clinical Practicum

Semester/Term Credits 2

Requirement
- NR441 - Nursing Capstone

Semester/Term Credits 4

Neuroscience

Program Details

Simple Requisites

Neuroscience (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum 2.0 of C in the following:
- BI101 - Principles of Biology I
- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II
- BI303 - Genetics
- BI370 - Introduction to Neuroscience
- BI415 - Neuroanatomy
- BI420 - Diseases of the Nervous System
- BI401 - Senior Seminar
  OR PY401 - Senior Seminar

-

AND

Biology Course Any Level

-

Complete at least 1 courses in the following course sets:

- Biology 100-499

A grade of C or higher is required.

-

Additional Requirements

-

Fulfill ALL of the following requirements:

Science, Mathematics, Psychology courses

-

Complete ALL of the following Courses:

- CH103 - General Chemistry I
- CH104 - General Chemistry II
- CH225 - Organic Chemistry I
- MA107 - Precalculus Mathematics
- MA108 - Applied Calculus
- MA232 - Elementary Statistics
- PY110 - Introduction to Psychology
- PY230 - Biopsychology
- PY263 - Perception
- PY344 - Cognition
- PS201 - General Physics I
- PS202 - General Physics II

MA 107 is waived when testing into MA 108, or higher.

AND

Psychology Elective

-

Complete at least 1 courses in the following course sets:

- Psychology 100-499

-

AND

Biology or Psychology Option

-

Fulfill ANY of the following requirements:

Upper-level Biology

-

Complete at least 2 courses in the following course sets:

- Biology 300-499

Grade of C or higher required.

OR

Upper-level Psychology

-

Complete ALL of the following Courses:

- PY313 - Experimental Psychology I
- PY314 - Experimental Psychology II (Inactive)

-

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Biology

Name
-

Tags
-

Activity
-

Assessment
na

Outcome
Demonstrate a fundamental competency in Neuroscience via an array of disciplines including biology, psychology, chemistry, physics, and mathematics.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
na

Outcome
Conduct hands-on, experiential laboratory research, effectively exposing students to common experimental methodology, approach, and design within the Neuroscience discipline.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
na

Outcome
Acquire a basic proficiency for information literacy and exercise effective written and oral communication skills.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Neuroscience Sample Degree Plan
Degree Credits
116 - 120

Year	Term	Semester/Term Credits
Year 1	Fall 1	11 - 15

Requirement

- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	14

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- MA108 - Applied Calculus

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	18

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- CH225 - Organic Chemistry I

Semester/Term Credits 4

Requirement
- BI303 - Genetics

Semester/Term Credits 4

Requirement
- PY230 - Biopsychology

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	13

Requirement
- BI226 - Cell Biology

Semester/Term Credits 4

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- PY263 - Perception

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	14

Requirement
- BI370 - Introduction to Neuroscience

Semester/Term Credits 4

Requirement
- Biology 300-499

Semester/Term Credits 3

Requirement
- PS201 - General Physics I

Semester/Term Credits 4

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	17

Requirement
- PY344 - Cognition

Semester/Term Credits 4

Requirement
- Biology 300-499

Semester/Term Credits 3

Requirement
- PS202 - General Physics II

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	16

Requirement
- BI401 - Senior Seminar

Semester/Term Credits 3

Requirement
- BI415 - Neuroanatomy

Semester/Term Credits 4

Requirement
- PY Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	13

Requirement
- BI420 - Diseases of the Nervous System

Semester/Term Credits 4

Requirement
- BI Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement

- Elective Course (Generic)

Semester/Term Credits 3

Physical Education

Program Details

Simple Requisites

Physical Education (B.S.) Requirements
Type
Completion Requirement

Requirements

Additionally, a Certification in First Aid & CPR is required for graduation.

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:

- ED104 - Foundations of Education
- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR223 - Motor Skills Development
- HHPR224 - Motor Skills Development II
- HHPR261 - Foundations in Health Education
- HHPR265 - Lifelong Motor Development
- HHPR341 - Instructional Strategies for Physical Education in Elementary School
- HHPR342 - Instructional Strategies for Physical Education in Middle-Secondary School
- HHPR355 - Coaching Leadership in Sports
- HHPR375 - Adapted Physical Activity
- HHPR406 - Readings in Physical Education
- HHPR432 - Organization and Administration in Physical Education

-

AND

Support Courses

-

Complete ALL of the following Courses:

- ED432 - Curriculum and Methods of Instruction
- BI101 - Principles of Biology I
- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II
- HHPR200 - Foods and Nutrition
- HHPR271 - Outdoor Physical Education I
- MA232 - Elementary Statistics
- PY110 - Introduction to Psychology
- SO214 - Racial and Cultural Minorities

-

AND

Concentration

-

Fulfill ANY of the following requirements:

Recreation Management Concentration

-

Fulfill ALL of the following requirements:

Health and Human Performance courses

-

Earn a minimum C of 2.0 in the following:

- HHPR245 - Assessment in PE and Sports
- HHPR333 - Management Sports Facilities

-

AND

Business Coourses

-

Complete ALL of the following Courses:

- AC201 - Introduction to Accounting and Financial World
- MG101 - Introduction to Business
- MG309 - Management of Organizations
- MG341 - Business Law I

-

-

OR

Teacher Education Concentration

-

Fulfill ALL of the following requirements:

Health and Human Performance courses

-

Earn a minimum C of 2.0 in the following:

- HHPR301 - Physiology of Exercise
- HHPR365 - Kinesiology

-

AND

Student Teaching or Internship

-

Earn at least 12 credits from the following:

- ED425 - Student Teaching
  OR HHPR426 - Internship

-

AND

Assessment

-

Complete ALL of the following Courses:

- HHPR245 - Assessment in PE and Sports

-

-

One concentration is required.

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Health and Human Performance

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Physical Education Sample Degree Plan
Degree Credits
125

Year	Term	Semester/Term Credits
Year 1	Fall 1	16

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- ED104 - Foundations of Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- Course Set Not Found

Semester/Term Credits 4

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Requirement
- HHPR265 - Lifelong Motor Development

Semester/Term Credits 3

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- BI215 - Human Anatomy & Physiology I

Semester/Term Credits 4

Requirement
- HHPR261 - Foundations in Health Education

Semester/Term Credits 4

Requirement
- HHPR223 - Motor Skills Development

Semester/Term Credits 3

Requirement
- HHPR271 - Outdoor Physical Education I

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	17

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 4

Requirement
- HHPR224 - Motor Skills Development II

Semester/Term Credits 3

Requirement
- HHPR245 - Assessment in PE and Sports

Semester/Term Credits 3

Requirement
- HHPR272 - Outdoor Physical Education II

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	17

Requirement
- HHPR365 - Kinesiology

Semester/Term Credits 4

Requirement
- HHPR341 - Instructional Strategies for Physical Education in Elementary School

Semester/Term Credits 4

Requirement
- HHPR355 - Coaching Leadership in Sports

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	14

Requirement
- HHPR301 - Physiology of Exercise

Semester/Term Credits 4

Requirement
- HHPR342 - Instructional Strategies for Physical Education in Middle-Secondary School

Semester/Term Credits 4

Requirement
- HHPR375 - Adapted Physical Activity

Semester/Term Credits 3

Requirement
- HHPR432 - Organization and Administration in Physical Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	16

Requirement
- HHPR406 - Readings in Physical Education

Semester/Term Credits 3

Requirement
- ED432 - Curriculum and Methods of Instruction

Semester/Term Credits 4

Requirement
- SO214 - Racial and Cultural Minorities

Semester/Term Credits 3

Requirement
- SO320 - Drugs and Society (Inactive)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	12

Requirement
- ED425 - Student Teaching

Semester/Term Credits 12

Degree Map Name
Recreation Management Sample Degree Plan
Degree Credits
124

Year	Term	Semester/Term Credits
Year 1	Fall 1	16

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- ED104 - Foundations of Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- Course Set Not Found

Semester/Term Credits 3

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Requirement
- HHPR265 - Lifelong Motor Development

Semester/Term Credits 3

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- BI215 - Human Anatomy & Physiology I
  OR
- HHPR261 - Foundations in Health Education
  OR
- HHPR223 - Motor Skills Development
  OR
- HHPR271 - Outdoor Physical Education I
  OR
- Course Set Not Found

Semester/Term Credits 4

Requirement
- HHPR261 - Foundations in Health Education

Semester/Term Credits 4

Requirement
- HHPR223 - Motor Skills Development

Semester/Term Credits 3

Requirement
- HHPR271 - Outdoor Physical Education I

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	17

Requirement
- BI216 - Human Anatomy & Physiology II

Semester/Term Credits 4

Requirement
- HHPR200 - Foods and Nutrition

Semester/Term Credits 4

Requirement
- HHPR224 - Motor Skills Development II

Semester/Term Credits 3

Requirement
- HHPR245 - Assessment in PE and Sports

Semester/Term Credits 3

Requirement
- HHPR272 - Outdoor Physical Education II

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- AC201 - Introduction to Accounting and Financial World

Semester/Term Credits 3

Requirement
- HHPR341 - Instructional Strategies for Physical Education in Elementary School

Semester/Term Credits 4

Requirement
- HHPR355 - Coaching Leadership in Sports

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- MG101 - Introduction to Business

Semester/Term Credits 3

Requirement
- HHPR342 - Instructional Strategies for Physical Education in Middle-Secondary School

Semester/Term Credits 4

Requirement
- HHPR375 - Adapted Physical Activity

Semester/Term Credits 3

Requirement
- HHPR432 - Organization and Administration in Physical Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- HHPR406 - Readings in Physical Education

Semester/Term Credits 3

Requirement
- MG309 - Management of Organizations

Semester/Term Credits 3

Requirement
- SO214 - Racial and Cultural Minorities

Semester/Term Credits 3

Requirement
- HHPR333 - Management Sports Facilities

Semester/Term Credits 3

Requirement
- MG341 - Business Law I

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	12

Requirement
- HHPR426 - Internship

Semester/Term Credits 12

Physics

Program Details

Simple Requisites

Physics (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- CH103 - General Chemistry I
- CH104 - General Chemistry II
- MA121 - Calculus I
- MA122 - Calculus II
- MA223 - Calculus III
- MA224 - Differential Equations
- MA241 - Mathematical Computation and Modeling
- PS107 - Solar System Astronomy
- PS108 - Stellar and Galactic Astronomy
- PS211 - University Physics I
- PS212 - University Physics II
- PS334 - Classical Mechanics
- PS341 - Modern Physics
- PS356 - Thermal & Statistical Physics
- PS373 - Junior Laboratory I
- PS374 - Junior Laboratory II
- PS426 - Electricity and Magnetism
- PS428 - Electrodynamics & Optics
- PS444 - Quantum Physics
- PS451 - Seminar I
- PS452 - Seminar II
- PS473 - Senior Laboratory I
- PS474 - Senior Laboratory II

-

AND

Upper-level Mathematics

-

Complete at least 2 courses in the following course sets:

- Mathematics 300-499

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Physics

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Graduates understand fundamental physical processes from classical mechanics, quantum mechanics, electricity and magnetism, and statistical mechanics and thermodynamics.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Graduates are able to apply and interpret the mathematics used in modeling physical situations.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Graduates are able to apply sound research methods to address questions they develop and those posed by others.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Graduates function as effective communicators, both in spoken and written words.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Graduates are prepared for successful employment in physics and related fields or for entry into graduate and professional schools.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Graduates are prepared to function as members of inter- and cross-disciplinary teams that formulate and execute solutions to complex, open-ended problems.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Physics Sample Degree Plan
Degree Credits
113 - 121

Year	Term	Semester/Term Credits

Year 1	Fall 1	11 - 15

Requirement
- PS108 - Stellar and Galactic Astronomy

Semester/Term Credits 4

Requirement
- CH103 - General Chemistry I

Semester/Term Credits 4

Requirement
- MA121 - Calculus I

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	15

Requirement
- PS107 - Solar System Astronomy

Semester/Term Credits 4

Requirement
- CH104 - General Chemistry II

Semester/Term Credits 4

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	17

Requirement
- PS211 - University Physics I

Semester/Term Credits 4

Requirement
- MA223 - Calculus III

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	13 - 17

Requirement
- PS212 - University Physics II

Semester/Term Credits 4

Requirement
- MA224 - Differential Equations

Semester/Term Credits 0 - 4

Requirement
- MA241 - Mathematical Computation and Modeling

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	17

Requirement
- PS341 - Modern Physics

Semester/Term Credits 3

Requirement
- PS373 - Junior Laboratory I

Semester/Term Credits 2

Requirement
- MA Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	14

Requirement
- PS334 - Classical Mechanics

Semester/Term Credits 3

Requirement
- PS374 - Junior Laboratory II

Semester/Term Credits 2

Requirement
- PS444 - Quantum Physics

Semester/Term Credits 3

Requirement
- MA Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	13

Requirement
- PS341 - Modern Physics

Semester/Term Credits 3

Requirement
- PS451 - Seminar I

Semester/Term Credits 1

Requirement
- PS473 - Senior Laboratory I

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	13

Requirement
- PS356 - Thermal & Statistical Physics

Semester/Term Credits 3

Requirement
- PS452 - Seminar II

Semester/Term Credits 1

Requirement
- PS428 - Electrodynamics & Optics

Semester/Term Credits 3

Requirement
- PS474 - Senior Laboratory II

Semester/Term Credits 3

Requirement
-
Semester/Term Credits 3

Political Science

Program Details

Simple Requisites

Political Science (B.A.) (click here)
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:
- HI121 - American History Survey I
- HI122 - American History Survey II
- PO105 - American Politics
- PO106 - Introduction to Public Policy and Administration
- PO202 - Introduction to Comparative Politics
- PO215 - International Relations
- PO220 - Research Methods
- PO410 - Capstone Seminar in Political Science
- PO303 - Political Philosophy
  OR PO330 - American Citizenship

-

AND

International Relations

A grade of C or higher is required.

Complete at least 1 of the following courses:

- INTD300 - Topics in INTD Studies
- INTD301 - Structures of Power
- INTD303 - Berlin Making the Modern City
- INTD360 - Berlin 1933-1945 Tracing Nazi History
- PO301 - Special Topics in International Relations
- PO305 - Geopolitics
- PO415 - International Law

-

AND

American Politics

A grade of C or higher is required.

Complete at least 1 of the following courses:

- PO312 - The Presidency
- PO315 - Public Opinion and Political Behavior
- PO321 - U.S. Constitutional Law

-

AND

Comparative Politics

A grade of C or higher is required.

Complete at least 1 of the following courses:

- INTD300 - Topics in INTD Studies
- INTD301 - Structures of Power
- INTD303 - Berlin Making the Modern City
- INTD360 - Berlin 1933-1945 Tracing Nazi History
- PO310 - European Politics
- PO320 - Topics in Area Studies
- PO333 - American Foreign Policy
- PO340 - Revolution and Forces of Change
- PO348 - Asian Politics

-

AND

Upper-level Political Science

A grade of C or higher is required.

Complete at least 2 of the following courses:

- INTD301 - Structures of Power
- INTD303 - Berlin Making the Modern City
- INTD360 - Berlin 1933-1945 Tracing Nazi History
- INTD300 - Topics in INTD Studies

May also select from Political Science 300-499 courses.

-

Support Courses

-

Complete ALL of the following Courses:

- EC201 - Principles of Economics (Macro)
  OR EC202 - Principles of Economics (Micro)
- EN112 - Public Speaking
- MA232 - Elementary Statistics

-

Additional Comments:
A course on multiple course list options can only be used one time to meet major requirements.

Program Delivery
Residential Program

Degree Designation
Bachelor of Arts

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
PO105, PO106, PO202, PO215 - essay exams and papers

Outcome
Develop critical thinking skills and discipline-specific knowledge of political science.-

Justification

Name
-

Tags
-

Activity
-

Assessment
PO220, PO410 (Capstone Seminar), and rotating selection of PO300/400 courses - independent research paper

Outcome
Develop research methodology and data analysis skills.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
PO220 and PO410 (Capstone Seminar) - oral presentations of independent research

Outcome
Enhance research and written and oral communication skills.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Alumni surveys - administer and analyze results of alumni surveys

Outcome
Prepare for graduate studies and/or rewarding careers.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Political Science Suggested Degree Plan
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	Fall 1	13

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- PO105 - American Politics

Semester/Term Credits 3

Requirement
- HI121 - American History Survey I

Semester/Term Credits 3

Requirement
- BA Language (prerequisite) (Generic)

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- HI122 - American History Survey II

Semester/Term Credits 3

Requirement
- PO106 - Introduction to Public Policy and Administration

Semester/Term Credits 3

Requirement
- BA Language

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- PO220 - Research Methods

Semester/Term Credits 3

Requirement
- PO215 - International Relations

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- PO202 - Introduction to Comparative Politics

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- EC201 - Principles of Economics (Macro)
  OR
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	16

Requirement
- EN112 - Public Speaking

Semester/Term Credits 3

Requirement
- PO303 - Political Philosophy
  OR
- PO330 - American Citizenship

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- International Relations Elective (Generic)

Semester/Term Credits 3

Requirement
- American Politics Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- Comparative Politics Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- Upper-Level Elective (Generic)

Semester/Term Credits 3

Requirement
- Upper-Level Elective (Generic)

Semester/Term Credits 3

Requirement
- PO410 - Capstone Seminar in Political Science

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Psychology (BA)

Program Details

Simple Requisites

Psychology Major (B.A.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:
- PY110 - Introduction to Psychology
- PY220 - Developmental Psychology
- PY313 - Experimental Psychology I
- PY314 - Experimental Psychology II (Inactive)

- PY360 - History and Systems of Psychology
- PY398 - Senior Thesis I
- PY401 - Senior Seminar
- PY498 - Senior Thesis II

-

AND

Conference & Presentation

-

Complete ALL of the following Courses:

- PY402 - Conference (Inactive)
- PY403 - Presentation (Inactive)

-

AND

Support Courses

-

Complete ALL of the following Courses:

- BI101 - Principles of Biology I
- MA232 - Elementary Statistics
- PY230 - Biopsychology
- PY240 - Introduction to Social Psychology
- PY241 - Introduction to Personality Theory
- PY263 - Perception
- PY344 - Cognition
- PY212 - Abnormal Psychology
  OR PY324 - Adolescent Psychology

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Arts

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To demonstrate understanding and knowledge of the content of Psychology including its major concepts, theoretical perspectives, empirical findings, and historical trends.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To perform research independently and competently in the process of literature review, experimental design, data collection, and statistical analysis, as well as completion of the written and oral senior thesis.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To communicate effectively in both written and oral formats at local and regional undergraduate research conferences.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To prepare for successful graduate work and/or employment in professions requiring a Psychology background and/or in professions requiring critical thinking.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Psychology Sample Degree Plan
Degree Credits
121

Year	Term	Semester/Term Credits
Year 1	Fall 1	13

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Language Prerequisite (if needed) (Generic)

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 1	Spring 1	12

Requirement
- PY220 - Developmental Psychology

Semester/Term Credits 3

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- BA Language

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	16

Requirement
- BI101 - Principles of Biology I

Semester/Term Credits 4

Requirement
- PY230 - Biopsychology

Semester/Term Credits 3

Requirement
- PY240 - Introduction to Social Psychology

Semester/Term Credits 3

Requirement
- PY313 - Experimental Psychology I

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	16

Requirement
- PY241 - Introduction to Personality Theory

Semester/Term Credits 3

Requirement
- PY263 - Perception

Semester/Term Credits 3

Requirement
- PY314 - Experimental Psychology II (Inactive)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	18

Requirement
- PY212 - Abnormal Psychology

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Elective course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	16

Requirement
- PY344 - Cognition

Semester/Term Credits 4

Requirement
- PY398 - Senior Thesis I

Semester/Term Credits 3

Requirement
- PY402 - Conference (Inactive)

Semester/Term Credits -

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
-
Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- PY360 - History and Systems of Psychology

Semester/Term Credits 3

Requirement
- PY498 - Senior Thesis II

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
-
Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- PY401 - Senior Seminar

Semester/Term Credits 3

Requirement
- PY403 - Presentation (Inactive)

Semester/Term Credits -

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Psychology (BS)

Program Details

Simple Requisites

Psychology Major (B.S.) Requirements
Type
Completion Requirement

Core Courses

-

Complete ALL of the following Courses:
- PY110 - Introduction to Psychology
- PY210 - Psychology of Leadership
- PY212 - Abnormal Psychology
  OR PY324 - Adolescent Psychology
- PY220 - Developmental Psychology
- PY230 - Biopsychology
- PY240 - Introduction to Social Psychology
- PY241 - Introduction to Personality Theory
- PY263 - Perception
- PY313 - Experimental Psychology I
- PY344 - Cognition
- PY360 - History and Systems of Psychology
- PY398 - Senior Thesis I
- PY401 - Senior Seminar

PY498 Senior Thesis II is an optional course when the Thesis Preparation course is not complete.

Program Delivery
Residential Program, Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Name
-

Tags
-

Activity
-

Assessment
Final Exam in PY110

Outcome
Knowledge of Psychological concepts

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Senior Thesis

Outcome
To perform research independently and competently in the process of literature review, experimental design, data collection, and statistical analysis, as well as completion of the written and oral senior thesis.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Senior Thesis

Outcome
To communicate effectively in both written and oral formats at local and regional undergraduate research conferences.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Senior Thesis Presentation

Outcome
To prepare for successful graduate work and/or employment in professions requiring a Psychology background and/or in professions requiring critical thinking.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Residential Psychology Sample Degree plan
Degree Credits
122

Year	Term	Semester/Term Credits
Year 1	Fall	16

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring	15

Requirement
- PY220 - Developmental Psychology

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall	15

Requirement
- PY212 - Abnormal Psychology

Semester/Term Credits 3

Requirement
- PY230 - Biopsychology

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring	15

Requirement
- PY241 - Introduction to Personality Theory

Semester/Term Credits 3

Requirement
- PY263 - Perception

Semester/Term Credits 3

Requirement
- PY210 - Psychology of Leadership

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall	15

Requirement
- PY240 - Introduction to Social Psychology

Semester/Term Credits 3

Requirement
- PY313 - Experimental Psychology I

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring	15

Requirement
- PY360 - History and Systems of Psychology

Semester/Term Credits 3

Requirement
- PY398 - Senior Thesis I

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall	16

Requirement
- PY344 - Cognition

Semester/Term Credits 4

Requirement
- PY498 - Senior Thesis II

OR
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring	15

Requirement
- PY401 - Senior Seminar

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Degree Map Name
Online Psychology Sample Degree Plan
Degree Credits
121

Year	Term	Semester/Term Credits
Term 1	First 8 Weeks	9

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- WRIT110 - Writing and Inquiry in Public Contexts

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 1	Second 8 Weeks	9

Requirement
- PY210 - Psychology of Leadership

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 2	First 8 Weeks	9

Requirement
- PY212 - Abnormal Psychology

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 2	Second 8 Weeks	9

Requirement
- PY220 - Developmental Psychology

Semester/Term Credits 3

Requirement
- Select One: History

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 3	First 8 Weeks	9

Requirement
- PY230 - Biopsychology

Semester/Term Credits 3

Requirement
- Select One: Writing & Research

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 3	Second 8 Weeks	9

Requirement
- PY240 - Introduction to Social Psychology

Semester/Term Credits 3

Requirement
- Select One: Fine Arts/Humanities

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 4	First 8 Weeks	9

Requirement
- PY263 - Perception

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 4	Second 8 Weeks	9

Requirement
- PY241 - Introduction to Personality Theory

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 5	First 8 Weeks	9

Requirement
- PY313 - Experimental Psychology I

Semester/Term Credits 3

Requirement
- Select One: Literature

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 5	Second 8 Weeks	10

Requirement
- PY344 - Cognition

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 6	First 8 Weeks	9

Requirement
- PY360 - History and Systems of Psychology

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 6	Second 8 Weeks	9

Requirement
- PY398 - Senior Thesis I

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 7	First 8 Weeks	6

Requirement
- PY498 - Senior Thesis II

  OR
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Term 7	Second 8 Weeks	6

Requirement
- PY401 - Senior Seminar

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Spanish

Program Details

Simple Requisites

Spanish (B.A.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- SP205 - Intermediate Spanish I
- SP206 - Intermediate Spanish II
- SP301 - Advanced Spanish I
- SP302 - Advanced Spanish II
- SP415 - Seminar: Topics in Spanish Literature and Culture

-

AND

Remaining courses Determined by Spanish Placement

-

Fulfill ANY of the following requirements:

Tested into 300-level

-

Earn at least 21 credits from the following:
- Spanish 300-499

Exempt from SP 205 and 206.

OR

Tested into 200-Level Spanish

-

Earn at least 15 credits from the following:
- Spanish 300-499

-

-

-

Additional Comments:
A study abroad experience for one semester in a Spanish-speaking country is required, see departmental study abroad, coordinator.

Program Delivery	Degree Designation	Program Level
Residential Program	Bachelor of Arts	Undergraduate

Program Type	College	School/Department(s)
Major	College of Arts & Sciences	Global Humanities

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To listen, speak, and write with advanced proficiency and produce different styles of writing.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To read literary and popular texts in Spanish and discern moral, cultural, aesthetic values, literary movements, and historical periods informing the conditions in which those works are produced.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To demonstrate a comprehension and appreciation of the differences and similarities among the three Hispanic cultures Spain, Latin America, and the U.S. Latino population as they compare to other cultures.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To conduct research on and think critically about works of literature, film, art, music and more produced by Hispanic cultures and identify leadership qualities and discuss ethical questions in the works.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Spanish Sample Plan
Degree Credits
123

Year	Term	Semester/Term Credits
Year 1	Fall 1	16

Requirement
- SP121 - Beginning Spanish I

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- SP122 - Beginning Spanish II

Semester/Term Credits 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- SP205 - Intermediate Spanish I

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	16

Requirement
- SP206 - Intermediate Spanish II

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- Spanish 300-499

Semester/Term Credits 3

Requirement
- Spanish 300-499

Semester/Term Credits 3

Requirement
- Spanish 301-499

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- SP302 - Advanced Spanish II

Semester/Term Credits 3

Requirement
- BA Intercultural

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- Spanish 300-499

Semester/Term Credits 3

Requirement
- Spanish 300-499

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- SP415 - Seminar: Topics in Spanish Literature and Culture

Semester/Term Credits 3

Requirement
- Spanish 300-499

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Studies in War and Peace

Program Details

Simple Requisites

Studies in War & Peace (B.A.) Requirements (click here)
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:
- PO105 - American Politics
- HI235 - Military History I
- HI236 - Military History II
- PO202 - Introduction to Comparative Politics
  OR PO215 - International Relations
- IN410 - Seminar in International Studies
  OR HI404 - Capstone Seminar in History
  OR HI491 - Honors in History II
  OR PO490 - Honors in Political Science

-

AND

Lower-level History

-

Complete at least 2 of the following courses:

- HI105 - First Year Seminar
- HI107 - The History of Civilization I
- HI108 - The History of Civilization II
- HI121 - American History Survey I
- HI122 - American History Survey II

A grade of C or higher is required.

AND

Upper-level History

-

Complete at least 1 of the following courses:

- HI332 - The American Revolution
- HI338 - U.S. Diplomatic History, 1776-1914
- HI339 - U.S. Diplomatic History, 1914-present
- HI341 - U.S. Civil War Era, 1848-1877
- HI360 - Topics in U.S. History
- HI361 - Topics in Modern European History
- HI362 - Topics in Pre Modern History
- HI363 - Topics in Non-Western History
- HI372 - Military History of the United States I, 1775-1902
- HI373 - Military History of the United States II, 1902-Present
- HI381 - Thirty Years War
- INTD360 - Berlin 1933-1945 Tracing Nazi History

-

AND

Political Science

-

Complete at least 1 of the following courses:

- INTD301 - Structures of Power
- PO305 - Geopolitics
- PO310 - European Politics
- PO330 - American Citizenship
- PO333 - American Foreign Policy
- PO340 - Revolution and Forces of Change
- PO348 - Asian Politics
- PO415 - International Law

-

AND

Focus Area in History

-

Complete at least 2 of the following courses:

- HI230 - Civil War Staff Ride
- HI332 - The American Revolution
- HI338 - U.S. Diplomatic History, 1776-1914
- HI339 - U.S. Diplomatic History, 1914-present

- HI341 - U.S. Civil War Era, 1848-1877
- HI360 - Topics in U.S. History
- HI362 - Topics in Pre Modern History
- HI363 - Topics in Non-Western History
- HI372 - Military History of the United States I, 1775-1902
- HI373 - Military History of the United States II, 1902-Present
- HI381 - Thirty Years War
- INTD301 - Structures of Power
- INTD360 - Berlin 1933-1945 Tracing Nazi History
- PO305 - Geopolitics
- PO310 - European Politics
- PO330 - American Citizenship
- PO333 - American Foreign Policy
- PO340 - Revolution and Forces of Change
- PO348 - Asian Politics
- PO415 - International Law
- SO330 - Military Sociology

-

AND

Colloquium

-

Earn a minimum grade of C in the following:

- HI328 - Colloquium in History

-

AND

European, Non-Western, Pre-Modern History

Only one 200-level course is permitted between European, Non-Western, and Pre-Modern History.

Fulfill ALL of the following requirements:

Non-Western or Pre-Modern History

-

Complete at least 1 of the following courses:

- HI201 - Ancient Greece and Rome
- HI202 - The Middle Ages: Europe 500 - 1500
- HI211 - Early East Asian Civilizations
- HI214 - History of the Middle East
- HI315 - Modern China
- HI317 - Modern Japan
- HI321 - Reformation Europe
- HI362 - Topics in Pre Modern History
- HI363 - Topics in Non-Western History

-

AND

European, Non-Western, Pre-Modern History

-

Complete at least 2 of the following courses:

- HI201 - Ancient Greece and Rome
- HI202 - The Middle Ages: Europe 500 - 1500
- HI211 - Early East Asian Civilizations
- HI214 - History of the Middle East
- HI220 - Age of Revolutions
- HI223 - Europe's Age of Revolution. 1500 -1800

- HI315 - Modern China
- HI317 - Modern Japan
- HI321 - Reformation Europe
- HI322 - Topics in Early Modern European History
- HI326 - Nazi Germany and the Holocaust
- HI362 - Topics in Pre Modern History
- HI363 - Topics in Non-Western History
- INTD303 - Berlin Making the Modern City

-

-

-

Additional Comments:
Studies in War and Peace majors may not double-major with the History program. A course completed on more than one list can only be used one time in the major.

Program Delivery
Residential Program

Degree Designation
Bachelor of Arts

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
Completion of an essay examination in either HI235: Military History I or HI236: Military History II examining military affairs in global historical context.

Outcome
Students will have a broad understanding of how global political, economic, and social developments affects the growth and interplay of military and political institutions.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
The production of a research paper written in one of the following: a History capstone, an International Studies capstone, or an Honors course in History or Political Science.

Outcome
Students will be able to exercise solid critical analysis and persuasive writing skills as demonstrated in an original research paper.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
The Studies in War and Peace program will administer an alumni survey every five years to assess the extent to which the program prepared its graduates for the job market and/or additional education and training.

Outcome
Graduates will be satisfied with the overall quality of the program and its ability to prepare them for the job market and/or additional education and training.

Justification
-

Admission Criteria
There are no additional criteria to declare this major.

Degree Map Name
Studies in War & Peace Sample Degree Plan

Degree Credits
122

Year	Term	Semester/Term Credits
Year 1	Fall 1	16

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- PO105 - American Politics

Semester/Term Credits 3

Requirement
- History 100-199

Semester/Term Credits 3

Requirement
- Language (prerequisite, if needed) (Generic)

Semester/Term Credits 4

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- EN111 - Writing and Inquiry in Academic Contexts (Inactive)

Semester/Term Credits 3

Requirement
- History 100-199

Semester/Term Credits 3

Requirement
- BA Language

Semester/Term Credits 4

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- HI235 - Military History I

Semester/Term Credits 3

Requirement
- PO202 - Introduction to Comparative Politics

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- HI236 - Military History II

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- BA Intercultural: Select 2 Courses

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- Core Elective (Generic)

Semester/Term Credits 3

Requirement
- International Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- Core Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- HI 328 (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- Course Set Not Found

Semester/Term Credits 3

Requirement
- Core Elective (Generic)

Semester/Term Credits 3

Requirement
- International Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- Core Elective (Generic)

Semester/Term Credits 3

Requirement
- International Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Undeclared

Program Details

No Requirements

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
-

Admission Criteria
There are no additional criteria to declare this major.

Leadership (A.S.)

Program Details

Simple Requisites

Leadership (A.S.) Requirements
Type
Completion Requirement

Course Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn an average C of 2.0 in the following:

- LEAD111 - Foundations of Leadership
- LEAD201 - Principles of Leadership
- LEAD202 - Theories and Models of Leadership
- LEAD212 - Strategic Leadership
- COMM301 - Business & Professional Writing
- PHLS205 - Critical Thinking
- PY110 - Introduction to Psychology
- LEAD311 - Global Leadership
  OR MNGT315 - Leadership
  OR MG309 - Management of Organizations

An associate's degree is comprised of a major, general education, and free elective courses.

-

Program Delivery
Online Program

Degree Designation
Associate of Science

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Apply theoretical and practical knowledge to leadership challenges faced by military personnel in the furtherance of the military's mission.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Critically evaluate basic research and writing in a variety of academic disciplines.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Develop and apply the technological and behavioral tools needed for humane, ethical leadership and decision-making in a variety of military and non-military contexts.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Communicate effectively in writing to a variety of audiences and through a variety of channels.

Justification
-

Admission Criteria
Admission criteria is posted on the website.

Degree Map Name
Leadership (A.S.) Sample Degree Plan
Degree Credits
60

Year	Term	Semester/Term Credits
Year 1	1	9

Requirement
- LEAD111 - Foundations of Leadership

Semester/Term Credits 3

Requirement
- WRIT110 - Writing and Inquiry in Public Contexts

Semester/Term Credits 3

Requirement
- LEAD201 - Principles of Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	15

Requirement
- LEAD202 - Theories and Models of Leadership

Semester/Term Credits 3

Requirement
- PHLS205 - Critical Thinking

Semester/Term Credits 3

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Select One: History

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	3	12

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- Select One: Literature

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- COMM301 - Business & Professional Writing

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	1	12

Requirement
- LEAD212 - Strategic Leadership

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- LEAD311 - Global Leadership
  OR
- MNGT315 - Leadership
  OR
- MG309 - Management of Organizations

Semester/Term Credits 3

Requirement
- Select One: Ethics

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	2	12

Requirement
- Electives (Generic)

Semester/Term Credits 12

History

Program Details

Simple Requisites

U.S. History Concentration
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- MH510 - Introduction to Historiography and Methodology
- HI550 - Directed Readings in History

-

AND

Area in History

-

Complete at least 1 of the following courses:

- MH520 - Global Military History to 1800
- MH530 - Military Thought and Theory
- MH540 - Non-Western Military History
- MH541 - Chinese Military History
- MH543 - Amphibious Warfare
- MH550 - U.S. Military History
- MH551 - Race and Gender in Military History
- MH552 - Total War
- HI523 - Archival Studies
- HI526 - Hunter-Gatherer and Agrarian Eras
- HI528 - Western Legal Tradition, 1000 CE-1789
- HI533 - Museum Studies
- HI536 - The Late Agrarian Era to 1800
- HI538 - Race, Gender, and the U.S. Constitution
- HI546 - World History from 1800 to 1991
- HI548 - America's Wars and Constitutional Crises

-

AND

Directed Reading

-

Complete ALL of the following Courses:

- HI549 - Capstone Topic Selection

-

AND

Capstone or Thesis

-

Complete at least 1 of the following courses:

- MH562 - Capstone Paper
- MH570 - M.A. Thesis I
  AND MH571 - MA Thesis II

May also select from MH569 Comp Exam and one American History (HI) Course.

AND

Period in History

-

Complete at least 2 of the following courses:

- HI520 - American Colonial, Revolutionary and Early National History
- HI530 - Nineteenth Century American History
- HI540 - Twentieth Century American History

-

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and strategically sequenced to build context as students move through the program.

World History Concentration
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Introduction

-

Complete ALL of the following Courses:

- MH510 - Introduction to Historiography and Methodology

-

AND

Period in History

-

Complete at least 2 of the following courses:

- HI526 - Hunter-Gatherer and Agrarian Eras
- HI536 - The Late Agrarian Era to 1800
- HI546 - World History from 1800 to 1991

-

AND

Area in History

-

Complete at least 1 of the following courses:

- MH520 - Global Military History to 1800
- MH530 - Military Thought and Theory
- MH540 - Non-Western Military History
- MH541 - Chinese Military History

- MH543 - Amphibious Warfare
- MH550 - U.S. Military History
- MH551 - Race and Gender in Military History
- MH552 - Total War
- HI520 - American Colonial, Revolutionary and Early National History
- HI523 - Archival Studies
- HI528 - Western Legal Tradition, 1000 CE-1789
- HI530 - Nineteenth Century American History
- HI533 - Museum Studies
- HI538 - Race, Gender, and the U.S. Constitution
- HI540 - Twentieth Century American History
- HI548 - America's Wars and Constitutional Crises

-

AND

Directed Reading

-

Complete ALL of the following Courses:

- HI550 - Directed Readings in History
- HI549 - Capstone Topic Selection

-

AND

Capstone or Thesis

-

Complete at least 1 of the following courses:

- MH562 - Capstone Paper
- MH570 - M.A. Thesis I
  AND MH571 - MA Thesis II

May also select from MH569 Comp Exam and one World History (HI) Course.

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and are strategically sequenced to build context as students move through the program.

Public History Concentration
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Introduction

-

Complete ALL of the following Courses:

- HI513 - Introduction to Public History
- HI523 - Archival Studies
- HI533 - Museum Studies

-

AND

Area in History

-

Complete at least 1 of the following courses:

- MH520 - Global Military History to 1800
- MH530 - Military Thought and Theory
- MH540 - Non-Western Military History
- MH541 - Chinese Military History
- MH543 - Amphibious Warfare
- MH550 - U.S. Military History
- MH551 - Race and Gender in Military History
- MH552 - Total War
- HI520 - American Colonial, Revolutionary and Early National History
- HI526 - Hunter-Gatherer and Agrarian Eras
- HI530 - Nineteenth Century American History
- HI536 - The Late Agrarian Era to 1800
- HI540 - Twentieth Century American History
- HI546 - World History from 1800 to 1991
- HI548 - America's Wars and Constitutional Crises

-

AND

Capstone

-

Complete ALL of the following Courses:

- HI553 - Research and Planning Seminar
- HI563 - Internship and Capstone Project
- HI549 - Capstone Topic Selection

-

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and are strategically sequenced to build context as students move through the program.

Legal and Constitutional History Concentration
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Introduction

-

Complete ALL of the following Courses:

- MH510 - Introduction to Historiography and Methodology
- HI528 - Western Legal Tradition, 1000 CE-1789
- HI538 - Race, Gender, and the U.S. Constitution

-

AND

Area in History

-

Complete at least 1 of the following courses:

- MH520 - Global Military History to 1800
- MH530 - Military Thought and Theory
- MH540 - Non-Western Military History
- MH541 - Chinese Military History
- MH543 - Amphibious Warfare
- MH550 - U.S. Military History
- MH551 - Race and Gender in Military History
- MH552 - Total War
- HI520 - American Colonial, Revolutionary and Early National History
- HI523 - Archival Studies
- HI526 - Hunter-Gatherer and Agrarian Eras
- HI530 - Nineteenth Century American History
- HI533 - Museum Studies
- HI536 - The Late Agrarian Era to 1800
- HI540 - Twentieth Century American History
- HI546 - World History from 1800 to 1991
- HI548 - America's Wars and Constitutional Crises

-

AND

Capstone

-

Complete ALL of the following Courses:

- HI549 - Capstone Topic Selection
- HI550 - Directed Readings in History
- MH562 - Capstone Paper
  OR HI568 - Capstone Curriculum Project

-

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and are strategically sequenced to build context as students move through the program.

Race and Gender History Concentration
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Required courses taken in order presented

-

Complete ALL of the following Courses:

- MH510 - Introduction to Historiography and Methodology
- HI538 - Race, Gender, and the U.S. Constitution
- MH551 - Race and Gender in Military History

-

AND

History or Military History

-

Complete at least 1 courses in the following course sets:

- History 500-Level
- Military History 500-Level

-

AND

Readings in History

-

Complete ALL of the following Courses:

- HI550 - Directed Readings in History
- HI549 - Capstone Topic Selection

-

AND

Capstone or Thesis

-

Complete at least 1 of the following courses:

- MH562 - Capstone Paper
- MH570 - M.A. Thesis I
  AND MH571 - MA Thesis II

-

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and are strategically sequenced to build context as students move through the program.

Program Delivery	Degree Designation	Program Level
Online Program	Master of Arts	Graduate
Program Type	**College**	**School/Department(s)**
Major	College of Graduate & Continuing Studies	Military History & History

Name -	**Tags** -
Activity -	**Assessment** Assessed based upon the quality of the quaility of their capstone or thesis proposal
Outcome a. Identify a topic area of historical significance	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Assessed based upon the quality of the quaility of their capstone or thesis proposal
Outcome b. Develop an analytical (Why or How) research question on the topic selected.	**Justification** -

Name -	**Tags** -

Activity
-

Assessment
Assessed based upon the quality of the quaility of their capstone or thesis proposal

Outcome
c. Develop a scholarly secondary source bibliography.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessed based upon the quality of the quaility of their capstone or thesis proposal

Outcome
d. Research and develop a list of primary sources.

Justification
-

Admission Criteria
Online programs admission criteria.

Degree Map Name
History American Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement
- MH510 - Introduction to Historiography and Methodology

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement
- American History Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement
- American History Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- Non-American History Elective Course (Generic)

Semester/Term Credits 6

Requirement
- HI549 - Capstone Topic Selection

Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement
- HI550 - Directed Readings in History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement
- MH562 - Capstone Paper

Semester/Term Credits 6

Degree Map Name
History World History Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement
- MH510 - Introduction to Historiography and Methodology

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement
- World History Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement
- World History Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- None-World History Elective Course (Generic)

Semester/Term Credits 6

Requirement
- HI549 - Capstone Topic Selection

Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement
- HI550 - Directed Readings in History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement
- MH562 - Capstone Paper

Semester/Term Credits 6

Degree Map Name
History Legal Constitutional Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement
- MH510 - Introduction to Historiography and Methodology

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement
- HI528 - Western Legal Tradition, 1000 CE-1789

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement
- HI538 - Race, Gender, and the U.S. Constitution

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- Non-Legal and Constitutional History Elective Course (Generic)

Semester/Term Credits 6

Requirement
- HI549 - Capstone Topic Selection

Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement
- HI550 - Directed Readings in History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement
- MH562 - Capstone Paper
  OR
- HI568 - Capstone Curriculum Project

Semester/Term Credits 6

Degree Map Name
History Public History Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- HI513 - Introduction to Public History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- HI523 - Archival Studies

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- HI533 - Museum Studies

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- Non-Public History Elective Course (Generic)

Semester/Term Credits 6

Requirement

- HI549 - Capstone Topic Selection

Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- HI553 - Research and Planning Seminar

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- HI563 - Internship and Capstone Project

Semester/Term Credits 6

Degree Map Name
History Race & Gender Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- MH510 - Introduction to Historiography and Methodology

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- HI538 - Race, Gender, and the U.S. Constitution

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- MH551 - Race and Gender in Military History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- Military History or History Elective (Generic)

Semester/Term Credits 6

Requirement

- HI549 - Capstone Topic Selection

Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- HI550 - Directed Readings in History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- MH562 - Capstone Paper
  OR
- MH570 - M.A. Thesis I
- **AND** MH571 - MA Thesis II

Semester/Term Credits 6

Strategic Studies (M.A.)

Program Details

Simple Requisites

Strategic Studies (M.A.) Requirements
Type
Completion Requirement

Core Courses

-

Earn a minimum B of 3.0 in the following:

- NT505 - National Security Strategy: Theory and Frameworks
- NT510 - Strategy and Policy
- GD510 - Theory and the International System
- GD530 - Economics and the International System
- NT550 - The Use of Military Force

- NT560 - Capstone Planning Exercise

Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and are strategically sequenced to build context as students move through the program.

Program Delivery
Online Program

Degree Designation
Master of Arts

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Strategic Studies Programs

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Synthesize major trends in military affairs and the fundamental problems in civil-military relations

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Analyze Western and Asian theoretical approaches to strategic thought and concepts of contemporary security

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Evaluate the interrelationship of policy, strategy and operations

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Design a plan for the effective use of all the elements of national power to achieve a strategic objective

Justification
-

Admission Criteria
-

Degree Map Name
Strategic Studies Sample Plan

Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- NT505 - National Security Strategy: Theory and Frameworks

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	2	6

Requirement

- NT510 - Strategy and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GD530 - Economics and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- NT550 - The Use of Military Force

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- NT560 - Capstone Planning Exercise

Semester/Term Credits 6

Business Administration

Program Details

Simple Requisites

Business Administration (MBA) Requirements (click here)
Type
Completion Requirement

Core Courses

-

Earn a minimum grade of B in the following:

- GB511 - Organizational Behavior and Resources Management
- GB522 - Managerial Finance
- GB532 - Strategic Marketing & Operations Management
- GB561 - Assessment Exam

One concentration is required.

General MBA Concentration

-

Complete at least 3 of the following courses:

- GB543 - Risk Management Principles: A Strategic Approach
- GB544 - Project Management Techniques, Tools and Practices
- GB547 - Supply Chain Management Strategy Planning and Operations
- GB548 - Energy Resources and Markets
- GB549 - Technology Management Strategy
- GB552 - International Business Management
- GB560 - Strategic Management
- OL530 - Leading Change in Organizations

Grade of B, or higher.

Project Management Concentration

-

Earn a minimum grade of B in the following:

- GB544 - Project Management Techniques, Tools and Practices
- GB554 - Project Management Leadership, Communications and Teams
- GB564 - Strategic Management in Project Management

-

Finance Concentration

-

Earn a minimum grade of B in the following:

- GB545 - Multinational Business Finance
- GB555 - Investments and Portfolio Management
- GB543 - Risk Management Principles: A Strategic Approach
  OR GB544 - Project Management Techniques, Tools and Practices
  OR GB547 - Supply Chain Management Strategy Planning and Operations
  OR GB548 - Energy Resources and Markets
  OR GB549 - Technology Management Strategy
  OR GB552 - International Business Management
  OR GB560 - Strategic Management
  OR OL530 - Leading Change in Organizations

-

Organizational Leadership Concentration

-

Earn a minimum grade of B in the following:

- OL530 - Leading Change in Organizations
- OL550 - Strategic Organizational Behavior
- OL560 - Strategic Organizational Leadership & Developing a Learning Organization

-

Supply Chain Management Concentration

-

Earn a minimum grade of B in the following:

- GB547 - Supply Chain Management Strategy Planning and Operations
- GB557 - Supply Chain Management Logistics, Design and Execution
- GB567 - Supply Chain Management Assessment, Integration, and Optimization

-

Construction Management Concentration

-

Earn a minimum grade of B in the following:

- GB544 - Project Management Techniques, Tools and Practices
- CE539 - Contracts and Insurance
- CE559 - Project Finance and Accounting

-

Energy Management Concentration

-

Earn a minimum grade of B in the following:

- GB548 - Energy Resources and Markets
- GB558 - Managing Energy Savings and Efficiency Projects
- GB568 - Managing Corporate Energy Needs

-

Technology Management Concentration

-

Earn a minimum grade of B in the following:

- GB549 - Technology Management Strategy
- GB544 - Project Management Techniques, Tools and Practices
- GB543 - Risk Management Principles: A Strategic Approach
  OR GB547 - Supply Chain Management Strategy Planning and Operations
  OR GB548 - Energy Resources and Markets
  OR GB552 - International Business Management
  OR GB560 - Strategic Management
  OR OL530 - Leading Change in Organizations

-

Critical Infrastructure Protection & Cybercrime

-

Earn a minimum grade of B in the following:

- GI556 - Cyber Crime
- GI566 - Critical Infra. Protection
- GB544 - Project Management Techniques, Tools and Practices
  OR GB547 - Supply Chain Management Strategy Planning and Operations
  OR GB548 - Energy Resources and Markets
  OR GB549 - Technology Management Strategy
  OR GB552 - International Business Management
  OR GB560 - Strategic Management
  OR GI557 - Cyber Law
  OR GI567 - International Perspectives on Cyberspace
  OR OL530 - Leading Change in Organizations
  OR GB543 - Risk Management Principles: A Strategic Approach

-

Cyber Law & International Perspectives on Cyberspace Concentration

-

Earn a minimum grade of B in the following:

- GI557 - Cyber Law
- GI567 - International Perspectives on Cyberspace
- GB544 - Project Management Techniques, Tools and Practices
  OR GB547 - Supply Chain Management Strategy Planning and Operations
  OR GB548 - Energy Resources and Markets
  OR GB549 - Technology Management Strategy
  OR GB552 - International Business Management
  OR GB560 - Strategic Management
  OR GI556 - Cyber Crime
  OR GI566 - Critical Infra. Protection
  OR OL530 - Leading Change in Organizations
  OR GB543 - Risk Management Principles: A Strategic Approach

-

International Business Concentration

-

Earn a minimum grade of B in the following:

- GB552 - International Business Management
- GD564 - Global Corporate Diplomacy
- GB543 - Risk Management Principles: A Strategic Approach
  OR GB544 - Project Management Techniques, Tools and Practices
  OR GB547 - Supply Chain Management Strategy Planning and Operations
  OR GB548 - Energy Resources and Markets
  OR GB549 - Technology Management Strategy
  OR GB560 - Strategic Management
  OR GI567 - International Perspectives on Cyberspace
  OR OL530 - Leading Change in Organizations

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

When attempting to earn more than one concentration, courses cannot be shared in more than one concentration.

Program Delivery
Online Program

Degree Designation
Master of Business Administration

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Name
-

Tags
-

Activity
-

Assessment
Exams, case studies, assignments, and discussions

Outcome
Develop a broad foundation in areas of organizational behavior, resource management, managerial finance, marketing management, operations management, and strategic management to understand and apply key concepts from primary functional areas of business management.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Exams, case studies, assignments, and discussions

Outcome
Acquire critical and creative thinking skill to identify and recommend implementable solutions that meet business objectives and demonstrate an understanding of the the process of solving business problems and making sound business decisions.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Exams, case studies, assignments, and discussions

Outcome
Gain the ability to write and orally present ideas and proposals persuasively and effectively and employing the principles of effective communication when writing reports and making oral presentations.

Justification
-

Name -	**Tags** -
Activity -	**Assessment** Testing
Outcome Demonstrate an understanding of the process for solving business problems and making sound business decisions.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Testing
Outcome Effective Written and Oral Communication.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Testing
Outcome Gain the ability to write and orally present ideas and proposals persuasively and effectively.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Testing
Outcome Follow the principles of effective communication when writing reports and making oral presentations.	**Justification** -

Admission Criteria

- A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.*
    - IELTS – a minimum composite score of 6.5 is required.*
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

Eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Up to 12-semester graduate credits for study conducted elsewhere may be awarded. Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
Business Administration Sample Degree Plan
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- GB522 - Managerial Finance

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- GB532 - Strategic Marketing & Operations Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Diplomacy

Program Details

Simple Requisites

Diplomacy (M.A.) Requirements
Type
Completion Requirement

Core Courses

-

Earn a minimum B of 3.0 in the following:

- GD510 - Theory and the International System
  OR GD511 - The History of Diplomacy in the International System
- GD520 - Law and the International System
- GD530 - Economics and the International System
- GD575 - Exit Portfolio

One concentration is required.

International Conflict Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GD540 - Conflict Avoidance, Prevention & Containment in the International System
- GD550 - Conflict Resolution & Post-Conflict Reconstruction in the International System
- GD541 - The Practice of Diplomacy
  OR GD560 - Military Intervention & Conflict Management in the International System
  OR GD561 - Human Rights and Conflict in the International System
  OR GD567 - Diplomacy and Communications

-

International Terrorism Concentration

-

Earn a minimum B of 3.0 in the following:

- GD542 - Terrorism: Introduction and State Sponsored Terrorism
- GD552 - International Terrorism by Non-State Actors
- GD541 - The Practice of Diplomacy
  OR GD562 - International Response to Transnational Terrorism
  OR GD567 - Diplomacy and Communications

-

International Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GD544 - Global Commerce and the International System
- GD554 - Cross Cultural Management in the International System
- GD564 - Global Corporate Diplomacy
  OR GD567 - Diplomacy and Communications

-

Cyber Diplomacy Concentration

-

Earn a minimum B of 3.0 in the following:

- IR531 - National Security
- GD568 - Cyber Diplomacy
- GI567 - International Perspectives on Cyberspace

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and strategically sequenced to build context as students move through the program.

Program Delivery
Online Program

Degree Designation
Master of Arts

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Public & International Affairs

Admission Criteria

- A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
  - Undergraduate GPA of 2.75 or higher
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
  - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.

- IELTS – a minimum composite score of 6.5 is required.
- The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Up to 12-semester graduate credits for study conducted elsewhere may be awarded. Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
Diplomacy Sample Degree Plan
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement
- GD510 - Theory and the International System
  OR
- GD511 - The History of Diplomacy in the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement
- GD520 - Law and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement
- GD530 - Economics and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- Concentation Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement
- Concentation Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement
- Concentation Course (Generic)

Semester/Term Credits 6

Requirement
- GD575 - Exit Portfolio

Semester/Term Credits -

International Relations

Program Details

Simple Requisites

International Relations (M.A.) Requirements
Type
Completion Requirement

Core Courses

-

Earn a minimum B of 3.0 in the following:

- IR510 - World Politics Intl Relations
- IR590 - Masters Research Paper I
- IR591 - Masters Research Paper Conclusion and Examination

One concentration is required.

International Security Concentration

-

Earn a minimum B of 3.0 in the following:

- IR520 - American Foreign Policy
- IR530 - International Security
- GD540 - Conflict Avoidance, Prevention & Containment in the International System
  OR GD541 - The Practice of Diplomacy
  OR GD550 - Conflict Resolution & Post-Conflict Reconstruction in the International System
  OR GD560 - Military Intervention & Conflict Management in the International System
  OR GD561 - Human Rights and Conflict in the International System
  OR GD562 - International Response to Transnational Terrorism

-

National Security Concentration

-

Earn a minimum B of 3.0 in the following:

- IR520 - American Foreign Policy
- IR531 - National Security
- IR541 - Intel & Natl Security Policy

-

International Development Concentration

-

Earn a minimum B of 3.0 in the following:

- GD530 - Economics and the International System
- IR543 - PoliEconomy of IntDevelopment
- IR553 - Capital and international Development

-

Cyber Diplomacy Concentration

-

Fulfill ALL of the following requirements:

International Law

-

Earn a minimum B of 3.0 in the following:

- GD520 - Law and the International System

-

AND

Area Course

-

Complete at least 2 of the following courses:

- IR531 - National Security
- GI512 - Mastering Cybersecurity Foundations
- GI522 - Information Assurance Technology
- GI532 - Human Factors and Managing Risk
- GI542 - Information Assurance Management and Analytics
- GI551 - Computer Forensic Investigations
- GI554 - Computer Security Incident Response Team Management
- GI556 - Cyber Crime
- GI557 - Cyber Law
- GI562 - Vulnerability Management and Penetration Testing I
- GI563 - Vulnerability Management II
- GI566 - Critical Infra. Protection
- GI567 - International Perspectives on Cyberspace

Minimum B grade, or higher

-

Regions of the World Concentration

-

Earn a minimum B of 3.0 in the following:

- IR520 - American Foreign Policy
- IR530 - International Security
  OR GD520 - Law and the International System
  OR GD530 - Economics and the International System
- GA541 - Africa
  OR GA542 - Asia-Pacific
  OR GA543 - Latin America
  OR GA544 - Eurasia
  OR GA545 - Europe
  OR GA546 - The Middle East
  OR GA547 - North America
  OR GA548 - South Asia

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and are strategically sequenced to build context as students move through the program.

Program Delivery
Online Program

Degree Designation
Master of Arts

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Public & International Affairs

Name
-

Tags
-

Activity
-

Assessment
Already approved for MAIR in 2016.

Outcome
Evaluate various political, economic or social issues of a particular functional area of international relations or a geographic area of the world,

Justification
-

Name -	**Tags** -
Activity -	**Assessment** Already approved for MAIR in 2016.
Outcome Correlate historical, political and/or economic origins of an international phenomenon or a process,	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Already approved for MAIR in 2016.
Outcome Employ theories and methodological skills to clarify complex issues in international relations,	**Justification** -

Admission Criteria

- A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - Undergraduate GPA of 2.75 or higher
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Up to 12-semester graduate credits for study conducted elsewhere may be awarded. Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
International Relations Sample Degree Plan
Degree Credits
33

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- IR510 - World Politics Intl Relations

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- Concentation Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- Concentation Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- Concentation Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- IR590 - Masters Research Paper I

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	3

Requirement

- IR591 - Masters Research Paper Conclusion and Examination

Semester/Term Credits 3

Military History

Program Details

Simple Requisites

Military History (M.A.) Requirements (click here)
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum B of 3.0 in the following:

- MH510 - Introduction to Historiography and Methodology
- MH550 - U.S. Military History

-

AND

Area Course

-

Complete at least 2 of the following courses:

- MH520 - Global Military History to 1800
- MH530 - Military Thought and Theory
- MH540 - Non-Western Military History
- MH541 - Chinese Military History
- MH543 - Amphibious Warfare
- MH550 - U.S. Military History
- MH551 - Race and Gender in Military History
- MH552 - Total War

Minimum grade of B, or higher.

AND

Period History

-

Complete at least 1 of the following courses:

- HI513 - Introduction to Public History
- HI520 - American Colonial, Revolutionary and Early National History
- HI523 - Archival Studies
- HI526 - Hunter-Gatherer and Agrarian Eras
- HI528 - Western Legal Tradition, 1000 CE-1789
- HI530 - Nineteenth Century American History
- HI533 - Museum Studies
- HI536 - The Late Agrarian Era to 1800
- HI538 - Race, Gender, and the U.S. Constitution
- HI540 - Twentieth Century American History
- HI546 - World History from 1800 to 1991
- HI548 - America's Wars and Constitutional Crises

Minimum grade of B, or higher.

AND

Capstone Topic Selection

-

Complete ALL of the following Courses:

- HI549 - Capstone Topic Selection

-

AND

Capstone Option

-

Fulfill ANY of the following requirements:

Capstone Option I

-

Complete ALL of the following Courses:

- MH562 - Capstone Paper

-

OR

Capstone Option II

-

Fulfill ALL of the following requirements:

Exam

-

Complete ALL of the following Courses:

- MH569 - Comprehensive Exam

-

AND

Military History Elective

-

Complete at least 1 courses in the following course sets:

- Military History 500-699

Minimum grade of B, or higher.

-

OR

Thesis

-

Complete ALL of the following Courses:

- MH570 - M.A. Thesis I
- MH571 - MA Thesis II

-

-

-

Additional Comments:
Each course must earn a grade of B or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

The seminars must be taken in the order presented and are strategically sequenced to build context as students move through the program.

Program Delivery
Online Program

Degree Designation
Master of Arts

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Military History & History

Name
-

Tags
-

Activity
-

Assessment
Historiographic Essays

Outcome
1. Demonstrate a higher level understanding of the general trends of historiography and military historiography in particular.

Justification
-

Admission Criteria

- A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - Undergraduate GPA of 2.75 or higher
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

Statement of Interest/Letter of Intent.

Writing Sample (either answer one short essay question in the application process or submit a scholarly academic paper or publication).

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Up to 12-semester graduate credits for study conducted elsewhere may be awarded. Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
Military History Sample Degree Plan
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- MH510 - Introduction to Historiography and Methodology

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- Area Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- Area Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- Period History Course (Generic)

Semester/Term Credits 6

Requirement

- HI549 - Capstone Topic Selection

Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- HI550 - Directed Readings in History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- MH562 - Capstone Paper

Semester/Term Credits 6

Nursing - Nurse Educator

Program Details

Simple Requisites

Nursing - Nurse Educator (MSN) Program Requirements
Type
Completion Requirement

Core Courses

-

Earn a minimum B of 3.0 in the following:

- NR514 - Epidemiology and Population Health
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role
- NR524 - Health Policy Advocacy and Economics in Healthcare
- NR533 - Quality Improvement and Patient Safety
- NR534 - Informatics and Healthcare Technologies
- NR548 - Advanced Pathophysiology
- NR552 - Advanced Pharmacology
- NR553 - Advanced Physical Assessment
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice
- NR559 - Curriculum Development in Nursing
- NR564 - Innovations in Teaching and Learning
- NR565 - Assessment and Evaluation Strategies
- NR568 - Nursing Education Practicum

A grade of B or higher is required for all courses; a grade waiver request will not be approved.

Program Delivery
Online Program

Degree Designation
Master of Science in Nursing

Program Level
Graduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Nursing, School of

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Apply insights from diverse fields to enhance nursing practice, foster innovation, and use sound clinical judgment.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Integrate scientific knowledge into nursing practice, addressing diverse needs and emphasizing person-centered care.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Collaborate with diverse stakeholders for the promotion of equitable public health outcomes through prevention and disease management.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Demonstrate proficiency in applying and sharing nursing knowledge to improve health outcomes and transform healthcare delivery.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Apply quality improvement principles to enhance care, reduce risks, and improve performance.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Demonstrate intentional collaboration with all involved parties to optimize care delivery, improve healthcare experiences, and enhance outcomes.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Exhibit proactive leadership to navigate healthcare challenges, promote positive outcomes, and deliver safe, high-quality care to diverse populations.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Use informatics for data collection, analysis, and safe, high-quality care delivery adhering to regulatory and professional standards.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Formulate a professional identity reflecting nursing values, ethics, accountability, collaboration, and standards.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Engage in self-care, reflection, lifelong learning, and leadership development for nursing expertise.

Justification
-

Admission Criteria

- A bachelor's degree in Nursing from an accredited (either the National League for Nursing Accrediting Commission (NLNAC) or the Commission on Collegiate Nursing Education (CCNE) undergraduate nursing program, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - If the applicant is currently enrolled in a bachelor's-level Nursing program, a letter from the university's registrar indicating the anticipated degree conferral date, the applicant can be conditionally admitted.
    - Cumulative GPA of 3.0 or better.
    - Undergraduate Nursing Research and Statistics course.
    - Active, unencumbered RN license in the state of their expected clinical study. License must be unencumbered throughout the entire course of study. If the license becomes encumbered, the student will be dismissed from the program.
    - Letter of Intent.
    - Letter of recommendation (deferred if Norwich graduate).
- International applicants who are not licensed as registered nurses in the U.S. must achieve a passing score on both the English and nursing sections of the Commission on Graduates of Foreign Nursing Schools (CGFNS) examination.
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.
- In addition to the Transfer Credit Policy, up to 15 transfer credits in courses with 80% or better may be accepted. May require a review of syllabi to ensure congruence with the Norwich course.

Please Note: All eligibility requirements are expected to be met unless noted in specific articulation agreements or memorandum of understanding (MOUs).

Please Note: All students in the Hybrid Master of Science in Nursing program must attend the live synchronous classes as well as the two on campus skills events.

Degree Map Name
MSN Nurse Educator Sample Degree Plan
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role

Semester/Term Credits 3

Requirement
- NR524 - Health Policy Advocacy and Economics in Healthcare

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

Semester/Term Credits 3

Requirement
- NR533 - Quality Improvement and Patient Safety

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement
- NR514 - Epidemiology and Population Health

Semester/Term Credits 3

Requirement
- NR534 - Informatics and Healthcare Technologies

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- NR548 - Advanced Pathophysiology

Semester/Term Credits 3

Requirement
- NR552 - Advanced Pharmacology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	5

Requirement
- NR559 - Curriculum Development in Nursing

Semester/Term Credits 2

Requirement
- NR553 - Advanced Physical Assessment

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 6	4

Requirement
- NR564 - Innovations in Teaching and Learning

Semester/Term Credits 2

Requirement
- NR565 - Assessment and Evaluation Strategies

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 2	Term 7	3

Requirement
- NR568 - Nursing Education Practicum

Semester/Term Credits 3

Nursing - Nurse Practitioner

Program Details

Simple Requisites

Nursing - Nurse Practitioner (MSN) Program Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum B of 3.0 in the following:

- NR514 - Epidemiology and Population Health
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role
- NR524 - Health Policy Advocacy and Economics in Healthcare
- NR533 - Quality Improvement and Patient Safety
- NR534 - Informatics and Healthcare Technologies
- NR548 - Advanced Pathophysiology
- NR552 - Advanced Pharmacology
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

-

AND

Concentration

-

Fulfill ANY of the following requirements:

Family Nurse Practitioner (FNP) Concentration

-

Earn a minimum B of 3.0 in the following:

- NR553 - Advanced Physical Assessment
- NR590 - Advanced Pharmacology - Population Focus: Family
- NR612 - FNP-I Adult Clinical
- NR613 - Family Nurse Practitioner II (Older Adult)
- NR614 - FNP-II Older Adult Clinical
- NR615 - Family Nurse Practitioner III (Pediatrics
- NR616 - FNP-III Pediatrics Clinical
- NR617 - Family Nurse Practitioner IV-Reproductive Health
- NR618 - Family Nurse Practitioner IV Clinical-Reproductive Health

-

OR

Acute Care Nurse Practitioner Adult Gerontology (ACNP-AG) Concentration

-

Earn a minimum B of 3.0 in the following:

- NR553 - Advanced Physical Assessment
- NR591 - Advanced Pharmacology-Population Focus: Acute Care Adult Gerontology
- NR621 - Adult Geriatric Acute Care I
- NR622 - Adult Geriatric Acute Care 1 Clinical
- NR623 - Adult Geriatric Acute Care II
- NR624 - Adult Geriatric Acute Care II Clinical
- NR625 - Adult Geriatric Acute Care III
- NR626 - Adult Geriatric and Acute Care III Clinical
- NR627 - Adult Geriatric Acute Care IV
- NR628 - Adult Geriatric Acute Care IV Clinical

-

OR

Psychiatric and Mental Health Concentration

-

Earn a minimum B of 3.0 in the following:

- NR533 - Quality Improvement and Patient Safety
- NR592 - Advanced Pharmacology Population Focus PMHNP
- NR631 - Psychiatric and Mental Health I
- NR632 - Psychiatric and Mental Health Clinical I
- NR633 - Psychiatric and Mental Health II
- NR634 - Psychiatric and Mental Health Clinical II
- NR635 - Psychiatric and Mental Health NP III
- NR636 - Psychiatric and Mental Health Clinical III
- NR637 - Psychiatric and Mental Health NP IV
- NR638 - Psychiatric and Mental Health Clinical IV

-

One concentration is required.

-

Additional Comments:
A grade of B or higher is required for all courses; a grade waiver request will not be approved.

Program Delivery
Online Program

Degree Designation
Master of Science in Nursing

Program Level
Graduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Nursing, School of

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
1. Apply insights from diverse fields to enhance nursing practice, foster innovation, and use sound clinical judgment.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
2. Integrate scientific knowledge into nursing practice, addressing diverse needs and emphasizing person-centered care.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
3. Collaborate with diverse stakeholders for the promotion of equitable public health outcomes through prevention and disease management.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
4. Demonstrate proficiency in applying and sharing nursing knowledge to improve health outcomes and transform healthcare delivery.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
5. Apply quality improvement principles to enhance care, reduce risks, and improve performance.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
6. Demonstrate intentional collaboration with all involved parties to optimize care delivery, improve healthcare experiences, and enhance outcomes.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
7. Exhibit proactive leadership to navigate healthcare challenges, promote positive outcomes, and deliver safe, high-quality care to diverse populations.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
8. Use informatics for data collection, analysis, and safe, high-quality care delivery adhering to regulatory and professional standards.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
9. Formulate a professional identity reflecting nursing values, ethics, accountability, collaboration, and standards.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome	Justification
10. Engage in self-care, reflection, lifelong learning, and leadership development for nursing expertise.	-

Admission Criteria

- A bachelor's degree in Nursing from an accredited (either the National League for Nursing Accrediting Commission (NLNAC) or the Commission on Collegiate Nursing Education (CCNE) undergraduate nursing program, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - If the applicant is currently enrolled in a bachelor's-level Nursing program, a letter from the university's registrar indicating the anticipated degree conferral date, the applicant can be conditionally admitted.
    - Cumulative GPA of 3.0 or better.
    - Undergraduate Nursing Research and Statistics course.
    - Active, unencumbered RN license in the state of their expected clinical study. License must be unencumbered throughout the entire course of study. If the license becomes encumbered, the student will be dismissed from the program.
    - Letter of Intent.
    - Letter of recommendation (deferred if Norwich graduate).
- International applicants who are not licensed as registered nurses in the U.S. must achieve a passing score on both the English and nursing sections of the Commission on Graduates of Foreign Nursing Schools (CGFNS) examination.
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.
- In addition to the Transfer Credit Policy, up to 15 transfer credits in courses with 80% or better may be accepted. May require a review of syllabi to ensure congruence with the Norwich course.

Please Note: All eligibility requirements are expected to be met unless noted in specific articulation agreements or memorandum of understanding (MOUs).

Degree Map Name
MSN Family Nurse Practitioner Sample Degree Plan
Degree Credits
45

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role

Semester/Term Credits 3

Requirement
- NR524 - Health Policy Advocacy and Economics in Healthcare

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement
- NR533 - Quality Improvement and Patient Safety

Semester/Term Credits 3

Requirement
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement
- NR534 - Informatics and Healthcare Technologies

Semester/Term Credits 3

Requirement
- NR514 - Epidemiology and Population Health

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- NR548 - Advanced Pathophysiology

Semester/Term Credits 3

Requirement
- NR552 - Advanced Pharmacology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	5

Requirement
- NR590 - Advanced Pharmacology - Population Focus: Family

Semester/Term Credits 2

Requirement
- NR553 - Advanced Physical Assessment

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 6	4

Requirement
- NR611 - Family Nurse Practitioner I - Adult

Semester/Term Credits 2

Requirement
- NR612 - FNP-I Adult Clinical

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 2	Term 7	4

Requirement
- NR613 - Family Nurse Practitioner II (Older Adult)

Semester/Term Credits 2

Requirement
- NR614 - FNP-II Older Adult Clinical

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 2	Term 8	4

Requirement

- NR615 - Family Nurse Practitioner III (Pediatrics

Semester/Term Credits 2

Requirement

- NR616 - FNP-III Pediatrics Clinical

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 3	Term 9	4

Requirement

- NR617 - Family Nurse Practitioner IV-Reproductive Health

Semester/Term Credits 2

Requirement

- NR618 - Family Nurse Practitioner IV Clinical-Reproductive Health

Semester/Term Credits 2

Degree Map Name
MSN Psychiatric & Mental Health Nurse Practitioner Sample Degree Plan
Degree Credits
45

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role

Semester/Term Credits 3

Requirement

- NR524 - Health Policy Advocacy and Economics in Healthcare

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- NR533 - Quality Improvement and Patient Safety

Semester/Term Credits 3

Requirement

- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- NR534 - Informatics and Healthcare Technologies

Semester/Term Credits 3

Requirement
- NR514 - Epidemiology and Population Health

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- NR552 - Advanced Pharmacology

Semester/Term Credits 3

Requirement
- NR548 - Advanced Pathophysiology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	5

Requirement
- NR592 - Advanced Pharmacology Population Focus PMHNP

Semester/Term Credits 2

Requirement
- NR553 - Advanced Physical Assessment

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 6	4

Requirement
- NR632 - Psychiatric and Mental Health Clinical I

Semester/Term Credits 2

Requirement
- NR631 - Psychiatric and Mental Health I

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 2	Term 7	4

Requirement
- NR633 - Psychiatric and Mental Health II

Semester/Term Credits 2

Requirement
- NR634 - Psychiatric and Mental Health Clinical II

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 2	Term 8	4

Requirement
- NR635 - Psychiatric and Mental Health NP III

Semester/Term Credits 2

Requirement

- NR636 - Psychiatric and Mental Health Clinical III

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 3	Term 9	4

Requirement

- NR638 - Psychiatric and Mental Health Clinical IV

Semester/Term Credits 2

Requirement

- NR637 - Psychiatric and Mental Health NP IV

Semester/Term Credits 2

Degree Map Name
MSN Adult/Gerontology Acute Care Nurse Practitioner Sample Degree Plan
Degree Credits
45

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role

Semester/Term Credits 3

Requirement

- NR524 - Health Policy Advocacy and Economics in Healthcare

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- NR533 - Quality Improvement and Patient Safety

Semester/Term Credits 3

Requirement

- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- NR534 - Informatics and Healthcare Technologies

Semester/Term Credits 3

Requirement

- NR514 - Epidemiology and Population Health

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- NR548 - Advanced Pathophysiology

Semester/Term Credits 3

Requirement
- NR552 - Advanced Pharmacology

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	5

Requirement
- NR591 - Advanced Pharmacology-Population Focus: Acute Care Adult Gerontology

Semester/Term Credits 2

Requirement
- NR553 - Advanced Physical Assessment

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 6	4

Requirement
- NR621 - Adult Geriatric Acute Care I

Semester/Term Credits 2

Requirement
- NR622 - Adult Geriatric Acute Care 1 Clinical

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 2	Term 7	4

Requirement
- NR623 - Adult Geriatric Acute Care II

Semester/Term Credits 2

Requirement
- NR624 - Adult Geriatric Acute Care II Clinical

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 2	Term 8	4

Requirement
- NR625 - Adult Geriatric Acute Care III

Semester/Term Credits 2

Requirement
- NR626 - Adult Geriatric and Acute Care III Clinical

Semester/Term Credits 2

Year	Term	Semester/Term Credits
Year 3	Term 9	4

Requirement
- NR628 - Adult Geriatric Acute Care IV Clinical

Semester/Term Credits 2

Requirement
- NR627 - Adult Geriatric Acute Care IV

Semester/Term Credits 2

Nursing - Healthcare Systems Leadership

Program Details

Simple Requisites

Nursing - Healthcare Systems Leadership (MSN) Program Requirements
Type
Completion Requirement

Core Courses

-

Earn a minimum B of 3.0 in the following:
- NR514 - Epidemiology and Population Health
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role
- NR524 - Health Policy Advocacy and Economics in Healthcare
- NR533 - Quality Improvement and Patient Safety
- NR534 - Informatics and Healthcare Technologies
- NR581 - Leadership in Healthcare Systems
- NR582 - Healthcare Resource Management
- NR585 - Strategic Planning in Healthcare
- NR586 - The Nurse Leader's Role in Healthcare Systems
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

-

Additional Comments:
A grade of B or higher is required for all courses; a grade waiver request will not be approved.

Program Delivery
Online Program

Degree Designation
Master of Science in Nursing

Program Level
Graduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Nursing, School of

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Apply insights from diverse fields to enhance nursing practice, foster innovation, and use sound clinical judgment.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Integrate scientific knowledge into nursing practice, addressing diverse needs and emphasizing person-centered care.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Collaborate with diverse stakeholders for the promotion of equitable public health outcomes through prevention and disease management.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Demonstrate proficiency in applying and sharing nursing knowledge to improve health outcomes and transform healthcare delivery.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Apply quality improvement principles to enhance care, reduce risks, and improve performance.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Demonstrate intentional collaboration with all involved parties to optimize care delivery, improve healthcare experiences, and enhance outcomes.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Exhibit proactive leadership to navigate healthcare challenges, promote positive outcomes, and deliver safe, high-quality care to diverse populations.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Use informatics for data collection, analysis, and safe, high-quality care delivery adhering to regulatory and professional standards.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Formulate a professional identity reflecting nursing values, ethics, accountability, collaboration, and standards.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Engage in self-care, reflection, lifelong learning, and leadership development for nursing expertise.

Justification
-

Admission Criteria

- A bachelor's degree in Nursing from an accredited (either the National League for Nursing Accrediting Commission (NLNAC) or the Commission on Collegiate Nursing Education (CCNE) undergraduate nursing program, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - If the applicant is currently enrolled in a bachelor's-level Nursing program, a letter from the university's registrar indicating the anticipated degree conferral date, the applicant can be conditionally admitted.
    - Cumulative GPA of 3.0 or better.
    - Undergraduate Nursing Research and Statistics course.
    - Active, unencumbered RN license in the state of their expected clinical study. License must be unencumbered throughout the entire course of study. If the license becomes encumbered, the student will be dismissed from the program.
    - Letter of Intent.
    - Letter of recommendation (deferred if Norwich graduate).
- International applicants who are not licensed as registered nurses in the U.S. must achieve a passing score on both the English and nursing sections of the Commission on Graduates of Foreign Nursing Schools (CGFNS) examination.
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.
- In addition to the Transfer Credit Policy, up to 15 transfer credits in courses with 80% or better may be accepted. May require a review of syllabi to ensure congruence with the Norwich course.

Please Note: All eligibility requirements are expected to be met unless noted in specific articulation agreements or memorandum of understanding (MOUs).

Degree Map Name
MSN Healthcare Systems LeadershipSample Degree Plan
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role

Semester/Term Credits 3

Requirement

- NR524 - Health Policy Advocacy and Economics in Healthcare

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

Semester/Term Credits 3

Requirement

- NR533 - Quality Improvement and Patient Safety

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- NR514 - Epidemiology and Population Health

Semester/Term Credits 3

Requirement

- NR534 - Informatics and Healthcare Technologies

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- NR581 - Leadership in Healthcare Systems

Semester/Term Credits 3

Requirement

- NR582 - Healthcare Resource Management

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- NR585 - Strategic Planning in Healthcare

Semester/Term Credits 3

Requirement

- NR586 - The Nurse Leader's Role in Healthcare Systems

Semester/Term Credits 3

Public Administration

Program Details

Simple Requisites

Public Administration (MPA) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Foundation

Students accepted to participate in the Master's Accelerate Track will take AD518 Criminal Justice Administratio and AD519 Research Applications in place of AD 521.

Earn a minimum B of 3.0 in the following:

- AD511 - Foundations of Public Administration and Policy
- AD521 - Public Administration Research and Analysis
- AD531 - Public Organization Resources & Processes
- OL561 - Capstone Studies

-

AND

Select One Concentration

-

Fulfill ANY of the following requirements:

Criminal Justice and Public Safety Concentration

-

Complete at least 2 of the following courses:

- CJ551 - Law Enforcement Administration
- CJ552 - Corrections Administration
- CJ556 - Critical Incident Management for Public Safety
- OL530 - Leading Change in Organizations
- AD586 - Public Leadership, Crisis Management, and Organizational Change

-

OR

Fiscal Management Concentration

-

Earn a minimum B of 3.0 in the following:

- AD558 - Fiscal Management Accounting & Contracting
- AD559 - Fiscal Management Finance/Tax & Budgeting

-

OR

Nonprofit Management Concentration

-

Earn a minimum B of 3.0 in the following:

- AD542 - Leading the Nonprofit Organization
- AD552 - Nonprofit Administration

-

OR

Public Sector Leadership & Crisis Management

-

Earn a minimum B of 3.0 in the following:

- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership
- AD586 - Public Leadership, Crisis Management, and Organizational Change

-

OR

Procurement & Government Contract Management Concentration

-

Earn a minimum B of 3.0 in the following:

- AD568 - Government Procurement and Contract Management
- AD578 - Government Contract Management

-

OR

Critical Infrastructure Protection & Cyber Crime Concentration

-

Earn a minimum B of 3.0 in the following:

- GI556 - Cyber Crime
- GI566 - Critical Infra. Protection

-

OR

Energy Management

-

Earn a minimum B of 3.0 in the following:

- GB548 - Energy Resources and Markets
- GB558 - Managing Energy Savings and Efficiency Projects

-

OR

Organizational Leadership Management

-

Earn a minimum B of 3.0 in the following:

- OL530 - Leading Change in Organizations
- OL550 - Strategic Organizational Behavior

-

OR

Project Management

-

Earn a minimum B of 3.0 in the following:

- GB544 - Project Management Techniques, Tools and Practices
- GB554 - Project Management Leadership, Communications and Teams

-

OR

Supply Chain Management

-

Earn a minimum B of 3.0 in the following:

- GB547 - Supply Chain Management Strategy Planning and Operations
- GB557 - Supply Chain Management Logistics, Design and Execution

-

OR

Human Resource Leadership Concentration

-

Earn a minimum B of 3.0 in the following:

- OL542 - Human Resources Leadership
- OL552 - Leveraging Human Capacity for Strategic Results

-

OR

Non Specialized Concentration

-

Complete at least 2 of the following courses:

- GB511 - Organizational Behavior and Resources Management
- GB543 - Risk Management Principles: A Strategic Approach
- GB544 - Project Management Techniques, Tools and Practices
- GB547 - Supply Chain Management Strategy Planning and Operations
- GB548 - Energy Resources and Markets
- GB549 - Technology Management Strategy
- GB552 - International Business Management
- OL510 - Leadership Fundamentals
- OL520 - Emotional Intelligence
- OL530 - Leading Change in Organizations
- OL540 - Strategic Communication and Information Leadership
- OL542 - Human Resources Leadership
- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership
- AD542 - Leading the Nonprofit Organization
- AD568 - Government Procurement and Contract Management
- AD582 - Healthcare Management
- AD586 - Public Leadership, Crisis Management, and Organizational Change
- CJ551 - Law Enforcement Administration
- CJ552 - Corrections Administration
- CJ556 - Critical Incident Management for Public Safety

-

One concentration is required.

-

Additional Comments:
Each course must earn a grade of B, or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

Program Delivery	Degree Designation	Program Level
Online Program	Master Public Administration	Graduate

Program Type	College	School/Department(s)
Major	College of Graduate & Continuing Studies	Criminology & Criminal Justice, School of

Name -	**Tags** -
Activity -	**Assessment** Assignments, Discussions, and Exams
Outcome Implement solutions to real-world administrative challenges	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Assignments, Discussions, and Exams
Outcome Demonstrate broad foundation in areas such as leadership, strategic planning, ethics, and analysis	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Assignments, Discussions, and Exams
Outcome Critical Thinking and writing skills	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Assignments, Discussions, and Exams
Outcome Foundational principles of public administration policy and process	**Justification** -

Admission Criteria

- A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - Undergraduate GPA of 2.75 or higher
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Up to 12-semester graduate credits for study conducted elsewhere may be awarded. Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
Nonprofit Management
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- AD542 - Leading the Nonprofit Organization

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- Concentration Course Option (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Procurement and Government Contract Management
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- Concentration Course Option (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- Concentration Course Option (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Public Sector Leadership and Crisis Management
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- AD586 - Public Leadership, Crisis Management, and Organizational Change

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Criminal Justice and Public Safety
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- Concentration Course Option (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- Concentration Course Option (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Critical Infrastructure Protection and Cyber Crime
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement
- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement
- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement
- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement
- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	1	6

Requirement
- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	2	6

Requirement
- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Energy Management
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement
- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GB548 - Energy Resources and Markets

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	1	6

Requirement

- GB558 - Managing Energy Savings and Efficiency Projects

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	2	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Organizational Leadership Management
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- OL530 - Leading Change in Organizations

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	1	6

Requirement

- OL550 - Strategic Organizational Behavior

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	2	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Project Management
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GB544 - Project Management Techniques, Tools and Practices

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	1	6

Requirement

- GB554 - Project Management Leadership, Communications and Teams

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	2	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Supply Chain Management
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GB547 - Supply Chain Management Strategy Planning and Operations

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	1	6

Requirement

- GB557 - Supply Chain Management Logistics, Design and Execution

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	2	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Non Specialized
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- Concentration Course Option (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- Concentration Course Option (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Human Resource Leadership
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- AD511 - Foundations of Public Administration and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- AD521 - Public Administration Research and Analysis

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- AD531 - Public Organization Resources & Processes

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- OL542 - Human Resources Leadership

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	1	6

Requirement

- OL552 - Leveraging Human Capacity for Strategic Results

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	2	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Master of Public Health

Program Details

Simple Requisites

Public Health (M.P.H.) Requirements
Type
Completion Requirement

-

Earn a minimum B of 3.0 in the following:

- PUBH501 - Community and Public Health
- PUBH502 - Cultural Diversity of Health
- PUBH503 - Health Communication
- PUBH520 - Global Health
- PUBH530 - Disaster Planning
- PUBH540 - PH Crisis Management
- PUBH550 - Public Health Practicum
- PUBH560 - Capstone
- NR514 - Epidemiology and Population Health
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role
- NR524 - Health Policy Advocacy and Economics in Healthcare
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

-

Additional Comments:
The Public Health program will not allow requests for grade waivers on grades below a grade of B.

Program Delivery
Online Program

Degree Designation
Master of Public Health

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Public Health

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Apply evidence-based approached to public health using epidemiologic methods and quantitative and qualitative data

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Compare and contrast public health and healthcare systems and resources that impact equitable health promotion and care with consideration of the population of people, the community, and culture

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Assess, apply, design, explain and select population health needs, programming, education, and services

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand policy making development and then propose, advocate for, and evaluate policies to improve health equity

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Apply leadership principles that support equitable public health practices in organizations, and in domestic and global communities

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Select and describe the different communication strategies that are audience and community appropriate

Justification
-

Admission Criteria
A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

- Undergraduate GPA of 2.5 or higher
- Undergraduate courses in statistics, environmental science, and either anatomy and physiology or an introductory biology course, with or without lab.

If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:

- TOEFL – a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
- IELTS – a minimum composite score of 6.5 is required.
- The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Degree Map Name
Public Health
Degree Credits
42

Year	Term	Semester/Term Credits
Year 1	1	8

Requirement
- PUBH501 - Community and Public Health

Semester/Term Credits 4

Requirement
- PUBH502 - Cultural Diversity of Health

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement
- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role

Semester/Term Credits 3

Requirement
- NR524 - Health Policy Advocacy and Economics in Healthcare

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement
- PUBH503 - Health Communication

Semester/Term Credits 3

Requirement
- NR514 - Epidemiology and Population Health

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	4	7

Requirement
- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

Semester/Term Credits 3

Requirement
- PUBH520 - Global Health

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	5	8

Requirement
- PUBH530 - Disaster Planning

Semester/Term Credits 4

Requirement
- PUBH540 - PH Crisis Management

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	6	7

Requirement
- PUBH550 - Public Health Practicum

Semester/Term Credits 3

Requirement
- PUBH560 - Capstone

Semester/Term Credits 4

Criminal Justice

Program Details

Simple Requisites

Criminal Justice (M.S.) Program Requirements
Type
Completion Requirement

Requirements

Core Corses

Earn a minimum B of 3.0 in the following.

Complete ALL of the following Courses:
- CJ551 - Law Enforcement Administration
  AND CJ552 - Corrections Administration
  AND CJ553 - Legal Foundations in Criminal Justice

-

Elective Pathway

Earn at least 12 credits from the following.

Complete ANY of the following Courses:
- GD520 - Law and the International System
  OR GD542 - Terrorism: Introduction and State Sponsored Terrorism
  OR GD552 - International Terrorism by Non-State Actors
  OR GI556 - Cyber Crime
  OR GI557 - Cyber Law
  OR CJ522 - Contemporary Issues in Criminal Justice: Ethical Leadership and Technology

OR CJ556 - Critical Incident Management for Public Safety
OR GI566 - Critical Infra. Protection

-

Cybersecurity Concentration Pathway

A grade of B or higher is required for all courses.

Complete ALL of the following Courses:

- GI556 - Cyber Crime
  AND GI557 - Cyber Law
  AND GI566 - Critical Infra. Protection

-

Additional Comments:
Each course must earn a grade of B, or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

Program Delivery
Online Program

Degree Designation
Master of Science

Program Level
Graduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Name
-

Tags
-

Activity
-

Assessment
n/a

Outcome
Initiate and effectively utilize research findings to improve outcomes across the spectrum of Criminal Justice environments.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
n/a

Outcome
Integrate theories from Criminal Justice and related disciplines to create and implement ethical practices and policies to improve Criminal Justice practice.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
n/a

Outcome
Critically analyze problems and demonstrate theory based problem solving in addressing the threats of terrorism from home, abroad, state and non-state actors to include cyber threats.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
n/a

Outcome
Incorporate the knowledge and skills related to informatics and technology to effectively improve the Criminal Justice field.

Justification
-

Name -	**Tags** -
Activity -	**Assessment** n/a
Outcome Implement effective communication skills to create collaborative partnerships within Criminal Justice and other support agencies.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** n/a
Outcome Apply the principles of international law as it relates to national security and security abroad.	**Justification** -

Admission Criteria

- A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - Undergraduate GPA of 2.75 or higher
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Up to 12-semester graduate credits for study conducted elsewhere may be awarded. Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
Criminal Justice Sample Degree Plan
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement

- CJ551 - Law Enforcement Administration

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement

- CJ552 - Corrections Administration

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement

- Concentration or Elective Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement

- Concentration or Elective Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- CJ553 - Legal Foundations in Criminal Justice

Semester/Term Credits 6

Cybersecurity (M.S.)

Program Details

Simple Requisites

Cybersecurity (M.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum B of 3.0 in the following:

- GI512 - Mastering Cybersecurity Foundations
- GI522 - Information Assurance Technology
- GI532 - Human Factors and Managing Risk
- GI542 - Information Assurance Management and Analytics

Students accepted to participate in the Master's Accelerate Track will take GI510 and GI511 in place of GI512.

AND

Concentration

One concentration is required.

Fulfill ANY of the following requirements:

Project Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GB544 - Project Management Techniques, Tools and Practices
- GB554 - Project Management Leadership, Communications and Teams

-

OR

Computer Forensic Investigation/Incident Response Team Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GI551 - Computer Forensic Investigations
- GI554 - Computer Security Incident Response Team Management

-

OR

Critical Infrastructure Protection and Cyber Crime Concentration

-

Earn a minimum B of 3.0 in the following:

- GI556 - Cyber Crime
- GI566 - Critical Infra. Protection

-

OR

Vulnerability Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GI562 - Vulnerability Management and Penetration Testing I
- GI563 - Vulnerability Management II

-

OR

Cyber Law & International Perspectives on Cyber Space Concentration

-

Earn a minimum B of 3.0 in the following:

- GI557 - Cyber Law
- GI567 - International Perspectives on Cyberspace

-

OR

Procurement & Government Contract Management Concentration

-

Earn a minimum B of 3.0 in the following:

- AD568 - Government Procurement and Contract Management
- AD578 - Government Contract Management

-

OR

Artificial Intelligence Concentration

-

Earn a minimum B of 3.0 in the following:

- ARIN500 - Artificial Intelligence in Industry
- ARIN510 - Unlocking the Power of Applied Artificial Intelligence

-

OR

Information Warfare Concentration

-

Earn a minimum B of 3.0 in the following:

- IWAR505 - Information Warfare: Theory and Practice
- IWAR510 - Information Warfare and Threat Analysis

-

-

-

Additional Comments:
Each course must earn a grade of B, or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

Program Delivery
Online Program

Degree Designation
Master of Science

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name
-

Tags
-

Activity
-

Assessment
Testing

Outcome
Perform penetration tests

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Testing

Outcome
Analyze cyber law, cybercrime and critical infrastructure protection

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Testing

Outcome
Understand international perspectives on cyber space

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Testing

Outcome
Manage Computer Incident Response Teams

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Testing

Outcome
Apply best practices in digital forensics

Justification
-

Admission Criteria

- Students who do not have a degree in Computer Science, Information Technology, or Cybersecurity need to demonstrate that they have a baseline knowledge in the following areas:

  Computer Networking

  Computer Science/Cybersecurity

  Linux operating system

  Scripting and Programming

  Microsoft Operating Systems

  Database systems (SQL)

  This knowledge can be achieved through college credit, industry training, industry certification, or professional experience.

- A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
  - Undergraduate GPA of 2.75 or higher
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
  - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
  - IELTS – a minimum composite score of 6.5 is required.
  - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Up to 12-semester graduate credits for study conducted elsewhere may be awarded. Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
Cybersecurity Sample Degree Plan
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	Term 1	6

Requirement
- GI512 - Mastering Cybersecurity Foundations

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 2	6

Requirement
- GI522 - Information Assurance Technology

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 3	6

Requirement
- GI532 - Human Factors and Managing Risk

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	Term 4	6

Requirement
- GI542 - Information Assurance Management and Analytics

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 5	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	Term 6	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Leadership (M.S.)

Program Details

Simple Requisites

Leadership (M.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum B of 3.0 in the following:

- OL510 - Leadership Fundamentals
- OL520 - Emotional Intelligence
- OL540 - Strategic Communication and Information Leadership

-

AND

Select one Concentration

One concentration is required. More than one concentration may be declared; however, no course may double count between concentrations. The non-specialized concentration is stand-alone and may not be in addition to a concentration.

Fulfill ANY of the following requirements:

Human Resources Leadership Concentration

-

Earn a minimum B of 3.0 in the following:

- OL542 - Human Resources Leadership
- OL552 - Leveraging Human Capacity for Strategic Results
- OL561 - Capstone Studies

-

OR

Public Sector Leadership & Crisis Management Concentration

-

Earn a minimum B of 3.0 in the following:

- AD586 - Public Leadership, Crisis Management, and Organizational Change

- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership
- OL561 - Capstone Studies

-

OR

Nonprofit Management Concentration

-

Earn a minimum B of 3.0 in the following:

- AD542 - Leading the Nonprofit Organization
- AD552 - Nonprofit Administration
- OL561 - Capstone Studies

-

OR

Project Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GB544 - Project Management Techniques, Tools and Practices
- GB554 - Project Management Leadership, Communications and Teams
- OL561 - Capstone Studies

-

OR

Technology Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GB544 - Project Management Techniques, Tools and Practices
- GB549 - Technology Management Strategy
- OL561 - Capstone Studies

-

OR

Supply Chain Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GB547 - Supply Chain Management Strategy Planning and Operations
- GB557 - Supply Chain Management Logistics, Design and Execution
- OL561 - Capstone Studies

-

OR

Non Specialized Concentration

-

Fulfill ALL of the following requirements:

Capstone

-

Earn a minimum B of 3.0 in the following:

- OL561 - Capstone Studies

-

AND

Electives

A grade of B or higher is required.

Complete at least 2 of the following courses:

- AD542 - Leading the Nonprofit Organization
- AD586 - Public Leadership, Crisis Management, and Organizational Change
- CJ551 - Law Enforcement Administration
- CJ552 - Corrections Administration
- CJ556 - Critical Incident Management for Public Safety
- GB543 - Risk Management Principles: A Strategic Approach
- GB544 - Project Management Techniques, Tools and Practices
- GB547 - Supply Chain Management Strategy Planning and Operations
- GB549 - Technology Management Strategy
- GB552 - International Business Management
- GB511 - Organizational Behavior and Resources Management
- OL542 - Human Resources Leadership
- OL530 - Leading Change in Organizations
- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership

-

-

OR

Organizational Leadership Management

-

Earn a minimum B of 3.0 in the following:

- OL530 - Leading Change in Organizations
- OL550 - Strategic Organizational Behavior
- OL560 - Strategic Organizational Leadership & Developing a Learning Organization

-

OR

Criminal Justice & Public Safety Concentration

-

Fulfill ALL of the following requirements:

Corrections & Public Safety

-

Complete at least 2 of the following courses:

- CJ551 - Law Enforcement Administration
- CJ552 - Corrections Administration
- CJ556 - Critical Incident Management for Public Safety
- OL530 - Leading Change in Organizations
- AD586 - Public Leadership, Crisis Management, and Organizational Change

-

AND

Capstone

-

Complete ALL of the following Courses:

- OL561 - Capstone Studies

-

-

-

-

Additional Comments:
Each course must earn a grade of B, or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements must have a combined minimum grade point average of 3.0.

Program Delivery
Online Program

Degree Designation
Master of Science

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Name
-

Tags
-

Activity
-

Assessment
Assignments and Discussions

Outcome
Graduates will be able to assess and address organizational challenges with a strategic approach, to anticipate and respond to changing environments, aligning organizational strategy with long-term goals.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assignments and Discussions

Outcome
Graduates will be prepared to foster a culture of ethical conduct within organizations, balancing business objectives with social responsibility.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assignments and Discussions

Outcome
Graduates will be able to build, lead, and motivate high-performance teams, recognizing individual strengths and fostering collaboration with the ability to resolve conflicts, promote inclusivity, and establish a team culture that encourages innovation and accountability.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assignments and Discussions

Outcome
Graduates will be encouraged to think creatively and foster an innovative mindset, enabling them to approach problems with fresh perspectives and develop new solutions enabling them to lead organizations toward innovation, embracing change, and encouraging experimentation within a supportive framework.

Justification
-

Name -	**Tags** -
Activity -	**Assessment** Assignments and Discussions
Outcome Graduates will develop self-awareness enhancing their ability to connect with and support others, improving interpersonal relationships and creating empathic workplace culture.	**Justification** -

Admission Criteria

- A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - Undergraduate GPA of 2.75 or higher
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Up to 12-semester graduate credits for study conducted elsewhere may be awarded. Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
Leadership Sample Degree Plan
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- OL520 - Emotional Intelligence

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- OL540 - Strategic Communication and Information Leadership

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL560 - Strategic Organizational Leadership & Developing a Learning Organization
  OR
- OL561 - Capstone Studies

Semester/Term Credits 6

Business Administration (B.S.)

Program Details

Simple Requisites

Business Administration (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- AC205 - Principles of Accounting-Financial
- AC206 - Principles of Accounting-Managerial
- COMM301 - Business & Professional Writing
- ECON250 - Seminar in Economics
- FNCE350 - Fundamentals of Finance I
- FNCE351 - Fundamentals in Finance II
- MG314 - Marketing Management
- MG341 - Business Law I
- MG346 - Business Law II
- MNGT400 - Capstone
- PHLS205 - Critical Thinking
- QM213 - Business and Economic Statistics I

ECON 250 may be replaced with EC201 Principles of Economics Macro and EC202 Principles of Economics Micro.

AND

Concentration

-

Fulfill ANY of the following requirements:

Accounting Concentration

-

Complete ALL of the following Courses:

- AC335 - Intermediate Accounting I
- AC336 - Intermediate Accounting II
- AC441 - Cost Accounting

- AC442 - Advanced Accounting
- MNGT451 - Financial Planning Process and Fundamentals
- MNGT454 - Income Taxation for Individuals and Businesses

-

OR

Finance Concentration

-

Complete ALL of the following Courses:

- FN412 - Investments
- FNCE407 - Corporate Finance II
- EC310 - Money and Banking
- EC419 - International Economics
- MG319 - International Dimensions of Business
- QM370 - Quantitative Methods for Marketing & Finance

-

OR

Marketing Concentration

-

Complete ALL of the following Courses:

- COMM315 - Tech-Mediated Communication
- MG319 - International Dimensions of Business
- MG416 - Advanced Marketing
- MG441 - Integrated Marketing Communications
- PY110 - Introduction to Psychology
- QM370 - Quantitative Methods for Marketing & Finance

-

OR

Cybersecurity Concentration

-

Complete ALL of the following Courses:

- CYBR341 - Foundations in Cyber Law and Cybercrime
- CYBR410 - Systems Assurance
- IA340 - Introduction to Information Assurance
- IA342 - Management of Information Assurance
- MNGT475 - Project Management Fundamentals
- MNGT476 - Project Management Advanced Techniques

-

OR

Financial Services Management (Certified Financial Planner) Concentration

-

Complete ALL of the following Courses:

- MNGT451 - Financial Planning Process and Fundamentals
- MNGT452 - Risk Management and Insurance Planning
- MNGT453 - Investment Planning
- MNGT454 - Income Taxation for Individuals and Businesses
- MNGT455 - Retirement and Education Planning
- MNGT456 - Case Studies for Personal Financial Planning

-

OR

Leadership Concentration

-

Complete ALL of the following Courses:

- MNGT401 - Sem in Leadership I:Fundamntls
- MNGT402 - Sem in Leadership II Styles EQ
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World

-

OR

Procurement & Contract Management Concentration

-

Complete ALL of the following Courses:

- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World
- MNGT441 - Public Procurement and Contracting
- MNGT442 - Public Procurement and Strategic Planning

-

OR

Supply Chain Management Concentration

-

Complete ALL of the following Courses:

- MNGT447 - Supply Chain Management Strategy, Planning, and Operations
- MNGT457 - Supply Chain Management Logistics Design and Execution
- MNGT467 - Supply Chain Management Assessment, Integration, and Optimization

-

OR

Project Management Concentration

-

Complete ALL of the following Courses:

- MNGT401 - Sem in Leadership I:Fundamntls
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World
- MNGT475 - Project Management Fundamentals
- MNGT476 - Project Management Advanced Techniques

-

OR

Non-specialized Concentration

-

Earn at least 18 credits from the following:

- COMM312 - Law Enforcement Intercultural Communications
- COMM315 - Tech-Mediated Communication
- CYBR341 - Foundations in Cyber Law and Cybercrime

- LEAD111 - Foundations of Leadership
- LEAD201 - Principles of Leadership
- LEAD202 - Theories and Models of Leadership
- LEAD212 - Strategic Leadership
- LEAD311 - Global Leadership
- MNGT315 - Leadership
- MNGT330 - Management Information Systems
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World
- MNGT441 - Public Procurement and Contracting
- MNGT442 - Public Procurement and Strategic Planning
- MNGT451 - Financial Planning Process and Fundamentals
- MNGT475 - Project Management Fundamentals
- MG309 - Management of Organizations
- MG319 - International Dimensions of Business
- MG416 - Advanced Marketing
- MG441 - Integrated Marketing Communications
- PHLS210 - Ethics in the Modern World
- PY110 - Introduction to Psychology
- QM370 - Quantitative Methods for Marketing & Finance

-

OR

Human Resource Management

-

Complete ALL of the following Courses:

- MNGT421 - Sem in Human Resource Mngt I
- MNGT422 - Sem in Human Resource Mngt II
- MNGT423 - Human Capital Planning
- MNGT424 - Strategic Role of HRM in Organizations

-

One concentration must be declared. A declared concentration cannot also be declared with an additional major offering the same concentration.

-

Additional Comments:
A bachelor's degree is comprised of a major, general education, and free elective courses.

Program Delivery
Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Name
-

Tags
-

Activity
-

Assessment
Discussions, Quizzes, and Assignments

Outcome
Synthesize and apply key theories, models, and applications within the business administration context.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussions, Quizzes, and Assignments

Outcome
Apply critical thinking skills for both problem-solving and innovation in business related situations

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussions, Quizzes, and Assignments

Outcome
Synthesize business-related concepts and data and effectively communicate those concepts and data in writing to an array of audiences, including non-specialist audiences

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussions, Quizzes, and Assignments

Outcome
Analyze and evaluate business and organizational situations using an ethical approach to decision making

Justification
-

Admission Criteria
See the admission's website for admission criteria.

Degree Map Name
Business Administration Sample Degree Plan
Degree Credits
123

Year	Term	Semester/Term Credits
Year 1	1	18

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- COMM301 - Business & Professional Writing

Semester/Term Credits 3

Requirement
- Select One: Ethics

Semester/Term Credits 3

Requirement
- Select One: History

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement

- Elective (Generic)
  OR
- LEAD111 - Foundations of Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	15

Requirement

- Select One: Literature

Semester/Term Credits 3

Requirement

- Select One: Natural Science

Semester/Term Credits 3

Requirement

- Select One: Math

Semester/Term Credits 3

Requirement

- PHLS205 - Critical Thinking

Semester/Term Credits 3

Requirement

- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	3	15

Requirement

- EC201 - Principles of Economics (Macro)

Semester/Term Credits 3

Requirement

- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement

- AC205 - Principles of Accounting-Financial

Semester/Term Credits 3

Requirement

- AC206 - Principles of Accounting-Managerial

Semester/Term Credits 3

Requirement

- Select One: Natural Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits

Year 2	4	15

Requirement
- FNCE350 - Fundamentals of Finance I

Semester/Term Credits 3

Requirement
- FNCE351 - Fundamentals in Finance II

Semester/Term Credits 3

Requirement
- MG314 - Marketing Management

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Select One: Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	5	15

Requirement
- QM213 - Business and Economic Statistics I

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	6	15

Requirement
- MG341 - Business Law I

Semester/Term Credits 3

Requirement
- MG346 - Business Law II

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	7	15

Requirement
- MNGT400 - Capstone

Semester/Term Credits 6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	8	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Criminal Justice BS

Program Details

Simple Requisites

Criminal Justice (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- COMM312 - Law Enforcement Intercultural Communications
- CJ101 - Introduction to Criminal Justice
- CJ214 - Criminal Procedure
- CJ410 - Senior Seminar
- CRIM101 - Introduction to Criminology
- CRIM209 - Methods of Social Science Research
- CRMJ305 - Law Enforcement Administration
- HIST210 - History of US Constitution
- MA232 - Elementary Statistics
- PHLS324 - Criminal Justice Ethics
- SOCI401 - Culture and Anthropology

-

AND

Support Courses

-

Earn at least 18 credits from the following:
- CJ430 - Homeland Security
- CRIM330 - Terrorism
- CRMJ307 - Cold Case Investigations
- CRMJ340 - Investigative Interviewing
- CYBR341 - Foundations in Cyber Law and Cybercrime
- ECON401 - Economic Studies
- EN250 - Crime in Literature
- INDE490 - Selected Topics
- INSC313 - Global Security and Intelligence
- INSC320 - Intelligence Management
- MNGT315 - Leadership
- POLS302 - National Security Policy
- POLS318 - International Terrorism

- SCIE202 - Science, Technology and Procedures in Forensic Investigations
- SCIE301 - Environmental Science
- SO218 - Intro to Cultural Competence
- SO330 - Military Sociology
- SOCI220 - Cultural Issues & CJ System
- SSDA310 - Emergency and Disaster Relief Operations
- SSDA320 - Information Operations
- SSDA315 - Insurgency and Conflict

-

-

Additional Comments:
A bachelor's degree is comprised of a major, general education, and free elective courses.

Program Delivery
Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Criminology & Criminal Justice, School of

Name
-

Tags
-

Activity
-

Assessment
This program will have a complete review this next year. No assessment currently exists.

Outcome
Upon completion of the degree, students will demonstrate a comprehensive knowledge of the criminal justice field culminating in the Capstone project. The project will directly or indirectly serve to enhance the career field the student is currently in or the field in which the student will transition.

Justification
-

Admission Criteria
See the admission's website for admission criteria.

Degree Map Name
Criminal Justice Sample Degree Plan
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	Term 1	15

Requirement
- CJ101 - Introduction to Criminal Justice

Semester/Term Credits 3

Requirement
- HIST210 - History of US Constitution

Semester/Term Credits 3

Requirement
- WRIT110 - Writing and Inquiry in Public Contexts

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- Select One: Social Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	15

Requirement
- CRIM101 - Introduction to Criminology

Semester/Term Credits 3

Requirement
- SOCI401 - Culture and Anthropology

Semester/Term Credits 6

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- Select One: Writing & Research

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	15

Requirement
- CRMJ305 - Law Enforcement Administration

Semester/Term Credits 3

Requirement
- CRIM209 - Methods of Social Science Research

Semester/Term Credits 3

Requirement
- Select One: Literature

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Select One: Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 4	15

Requirement
- PHLS324 - Criminal Justice Ethics

Semester/Term Credits 3

Requirement
- CJ214 - Criminal Procedure

Semester/Term Credits 3

Requirement
- CRMJ Elective (Generic)

Semester/Term Credits 3

Requirement
- CRMJ Elective (Generic)

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	15

Requirement
- COMM312 - Law Enforcement Intercultural Communications

Semester/Term Credits 3

Requirement
- CRMJ Elective (Generic)

Semester/Term Credits 3

Requirement
- CRMJ Elective (Generic)

Semester/Term Credits 3

Requirement
- CRMJ Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 6	15

Requirement
- CJ410 - Senior Seminar

Semester/Term Credits 3

Requirement
- CRMJ Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 7	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Term 8	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Computer Science & Information Systems

Program Details

Simple Requisites

Computer Science & Information Systems (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Complete ALL of the following Courses:
- CS228 - Introduction to Data Structures
- CS301 - Software Engineering
- CS270 - Operating Systems & Parallelism
- CSIS370 - Computer Architecture and Reverse Engineering
- CSIS400 - Computer Science and Information Systems Capstone
- CYBR110 - Introduction to Computer Programming
- CYBR201 - Fundamentals of Computer Networking
- CYBR210 - Computer Programming with a High Level Language
- CYBR215 - Computer Programming with a Low Level Language
- CYBR230 - Relational Databases with SQL
- EE215 - Fundamentals of Digital Design
- EE321 - Embedded Systems
- MA107 - Precalculus Mathematics
- MA108 - Applied Calculus
- MA232 - Elementary Statistics
- MA306 - Discrete Mathematics
- MA380 - Theory of Computation
- PHLS210 - Ethics in the Modern World

-

Additional Comments:
A bachelor's degree is comprised of a major, general education, and free elective courses.

Program Delivery
Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Evaluate, synthesize, and utilize information from a number of disciplines

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Effectively and professionally communicate technical information, in both oral and written forms, to both specialist and non-specialist audiences

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Apply the underlying knowledge and skills of the computer sciences to real-world challenges and situations

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Work effectively work both as individuals and as members and leaders of multi-disciplinary teams

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Analyze complex problems and use computer science tools and techniques to develop a hypothesis and created a potential solution

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Carry out ethical decision making within the field of computer science

Justification
-

Admission Criteria
See the admission's website for admission criteria.

Degree Map Name
Computer Science & Information Systems Sample Degree Plan
Degree Credits
122

Year	Term	Semester/Term Credits
Year 1	Term 1	17

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 4

Requirement
- CYBR210 - Computer Programming with a High Level Language

Semester/Term Credits 3

Requirement
- EE215 - Fundamentals of Digital Design

Semester/Term Credits 4

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- Select One: Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	14

Requirement
- MA108 - Applied Calculus

Semester/Term Credits 4

Requirement
- CYBR210 - Computer Programming with a High Level Language

Semester/Term Credits 3

Requirement
- EE321 - Embedded Systems

Semester/Term Credits 4

Requirement
- Select One: History

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 3	15

Requirement
- CYBR215 - Computer Programming with a Low Level Language

Semester/Term Credits 3

Requirement
- CYBR230 - Relational Databases with SQL

Semester/Term Credits 3

Requirement
- PHLS210 - Ethics in the Modern World

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Select One: Social Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 4	15

Requirement
- MA232 - Elementary Statistics
  OR
- MATH232 - Elementary Statistics (Inactive)

Semester/Term Credits 3

Requirement
- CS228 - Introduction to Data Structures

Semester/Term Credits 3

Requirement
- CS301 - Software Engineering

Semester/Term Credits 3

Requirement
- Select One: Ethics

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 5	16

Requirement
- MA306 - Discrete Mathematics

Semester/Term Credits 3

Requirement
- CYBR201 - Fundamentals of Computer Networking

Semester/Term Credits 3

Requirement
- CS270 - Operating Systems & Parallelism

Semester/Term Credits 3

Requirement
- CSIS370 - Computer Architecture and Reverse Engineering

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 6	15

Requirement
- MA380 - Theory of Computation

Semester/Term Credits 3

Requirement
- CSIS400 - Computer Science and Information Systems Capstone

Semester/Term Credits 6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Term 7	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Term 8	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Cybersecurity

Program Details

Simple Requisites

Cybersecurity (B.S.) Requirements (click here)
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:
- COMM301 - Business & Professional Writing
- CYBR341 - Foundations in Cyber Law and Cybercrime
- CYBR201 - Fundamentals of Computer Networking
- CYBR210 - Computer Programming with a High Level Language
- CYBR215 - Computer Programming with a Low Level Language
- CYBR220 - Windows Server Administration
- CYBR225 - Linux Administration
- CYBR230 - Relational Databases with SQL
- CYBR400 - Cyber Capstone
- IA340 - Introduction to Information Assurance
- IA342 - Management of Information Assurance
- MG309 - Management of Organizations
- PHLS210 - Ethics in the Modern World

GI512 Mastering Cyber Foundations may substitute for both IA340 Intro to Information Assurance and IA342 Management of Info Assurance.

AND

Concentration

-

Fulfill ANY of the following requirements:

Computer Forensics & Vulnerability Management Concentration

-

Complete ALL of the following Courses:

- CYBR442 - Foundations in Computer Forensics
- CYBR320 - Vulnerability Testing I
- CYBR420 - Vulnerability Testing II
- DF311 - Network Forensics
- DF312 - Malware Forensics
- DF411 - Cyber Investigation

-

OR

Information Warfare Concentration Concentration

-

Complete ALL of the following Courses:

- CS407 - Politics of Cyberspace
- CYBR370 - Introduction to Information Warfare
- CYBR380 - Offensive Information Warfare
- CYBR382 - Defensive Information Warfare
- CYBR410 - Systems Assurance
- POLS302 - National Security Policy

-

One concentration is required.

-

Additional Comments:
A bachelor's degree is comprised of a major, general education, and free elective courses.

Program Delivery
Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name
-

Tags
-

Activity
-

Assessment
MSISA graduates will demonstrate an interdisciplinary and comprehensive view of information assurance (IA),

Outcome
• Evaluating the impact of technology developments on IA risk and security practice

Justification
-

Name
-

Tags
-

Activity
-

Assessment
MSISA graduates will demonstrate an interdisciplinary and comprehensive view of information assurance (IA),

Outcome
• Assessing the impact of human factors on security strategies

Justification
-

Admission Criteria
In addition to the admission criteria listed on the admission website, eligible students must have basic networking, programming, and operating systems knowledge acquired through prior coursework, certifications, or military training is required for entry into the program.

Accelerated Master's Track
This major offers an accelerated track to complete a major in Cybersecurity (B.S.) and a Master of Science (MS), with a concentration in Cybersecurity.
Students requesting admission into the Master of Science program in Cybersecurity will typically be expected to earn at least a grade of "B" in graduate-level coursework taken in AMT courses and a minimum overall cumulative undergraduate Bachelor's GPA of 3.0.

To participate, one graduate course (GI512 Mastering Cyber Foundations) must be taken during the student's undergraduate, junior or senior year, which will count toward both the student's B.S. and M.S. requirements,

A candidate for the accelerated master's track will typically self-identify or be invited by an advisor/professor/director upon becoming a student in the online degree-completion program.

Requirements

- A letter of intent
- Two letters of recommendation from faculty, and
- A resume

The required application documents should be submitted to the program School (CGCS-Technology Programs) typically no later than the second term of the student's participation in the Cybersecurity program. These items are similar to those used to seek admittance to the Master of Science, Cybersecurity program.
Upon acceptance by the Director of the Technology Programs at the College of Graduate and Continuing Studies, an approved student may submit a request to enroll in the required CGCS courses. Those who receive approval and register for the courses must still meet graduate program standards.

Degree Map Name
Information Warfare Concentration
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	Term 1	15

Requirement
- CJ341 - Cyber Law and Cyber Crime (Inactive)

Semester/Term Credits 3

Requirement
- PHLS210 - Ethics in the Modern World

Semester/Term Credits 3

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- Select One: History

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	15

Requirement
- CYBR201 - Fundamentals of Computer Networking

Semester/Term Credits 3

Requirement
- MNGT309 - Mngt of Organizations (Inactive)

Semester/Term Credits 3

Requirement
- Select One: Writing & Research

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	15

Requirement
- CYBR210 - Computer Programming with a High Level Language

Semester/Term Credits 3

Requirement
- CYBR220 - Windows Server Administration

Semester/Term Credits 3

Requirement
- IA340 - Introduction to Information Assurance

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Select One: Social Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 4	15

Requirement
- CYBR215 - Computer Programming with a Low Level Language

Semester/Term Credits 3

Requirement
- CYBR230 - Relational Databases with SQL

Semester/Term Credits 3

Requirement
- IA342 - Management of Information Assurance

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	15

Requirement
- CYBR225 - Linux Administration

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 6	15

Requirement
- CYBR400 - Cyber Capstone

Semester/Term Credits 6

Requirement
- Select One: Fine Arts/Humanities

Semester/Term Credits 3

Requirement
- Select One: Literature

Semester/Term Credits 3

Requirement
- Select One: Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 7	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 8	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Degree Map Name

Computer Forensics and Vulnerability Management Concentration

Degree Credits

120

Year	Term	Semester/Term Credits
Year 1	Term 1	15

Requirement

- CJ341 - Cyber Law and Cyber Crime (Inactive)

Semester/Term Credits 3

Requirement

- PHLS210 - Ethics in the Modern World

Semester/Term Credits 3

Requirement

- Goal 1: General Education

Semester/Term Credits 3

Requirement

- Goal 2: General Education

Semester/Term Credits 3

Requirement

- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	15

Requirement

- CYBR201 - Fundamentals of Computer Networking

Semester/Term Credits 3

Requirement

- MNGT309 - Mngt of Organizations (Inactive)

Semester/Term Credits 3

Requirement

- Goal 1: General Education

Semester/Term Credits 3

Requirement

- Goal 2: General Education

Semester/Term Credits 3

Requirement

- Goal 4: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	15

Requirement
- CYBR210 - Computer Programming with a High Level Language

Semester/Term Credits 3

Requirement
- CYBR220 - Windows Server Administration

Semester/Term Credits 3

Requirement
- IA340 - Introduction to Information Assurance

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 4	15

Requirement
- CYBR215 - Computer Programming with a Low Level Language

Semester/Term Credits 3

Requirement
- CYBR230 - Relational Databases with SQL

Semester/Term Credits 3

Requirement
- IA342 - Management of Information Assurance

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	15

Requirement
- CYBR225 - Linux Administration

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 6	15

Requirement
- CYBR400 - Cyber Capstone

Semester/Term Credits 6

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 7	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 8	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Interdisciplinary Studies

Program Details

Simple Requisites

Interdisciplinary Studies (B.I.S.) Program Requirements
Type
Completion Requirement

Major Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Fulfill ALL of the following requirements:

Communications

-

Complete at least 1 of the following courses:

- COMM109 - Media Technology and Culture
- COMM261 - Interpersonal Communication
- COMM301 - Business & Professional Writing
- WRIT204 - Professional and Technical Writing

-

AND

Ethics and Critical Thinking

-

Complete at least 1 of the following courses:

- PH110 - Think! Intro to Philosophy
- PH215 - Survey of Ethics
  OR PHLS210 - Ethics in the Modern World
- PHLS205 - Critical Thinking
- PH230 - Logic

-

AND

Leadership

-

Complete at least 1 of the following courses:

- LEAD111 - Foundations of Leadership

-

AND

Global Studies

-

Complete at least 1 of the following courses:

- EN222 - Introduction to World Literatures
- RELG300 - Comparative Religion
  OR PH220 - Comparative Religion
- HIST310 - Historical Studies
- POLS306 - Comparative Politics
  OR PO202 - Introduction to Comparative Politics

-

AND

Capstone

-

Complete at least 1 of the following courses:

- AD519 - Research Applications
- BI401 - Senior Seminar
- CE480 - Senior Design Project II
- CJ410 - Senior Seminar
- CRIM410 - Capstone Seminar
- CS421 - Computer Science capstone II
- CS431 - Computer Science Undergraduate Thesis II
- CYBR400 - Cyber Capstone
- ED425 - Student Teaching
- ED432 - Curriculum and Methods of Instruction
- EE491 - Electrical System Design I
- EE494 - Electrical System Design II

- EGCM480 - Senior Design Project II
- ES440 - Research Project in Environmental Science
- FA401 - Introduction to Research Methods for Architecture
- GL440 - Research Project in Geology
- HHPR406 - Readings in Physical Education
- HHPR450 - Capstone Experience I
- HI404 - Capstone Seminar in History
- HUMA402 - Humanities Capstone
- IA456 - Cyber Defense Practicum
- IN410 - Seminar in International Studies
- INTD400 - Capstone
- LEAD402 - Leadership Capstone
- MA411 - Senior Seminars
- ME467 - Mechanical Engineering Design I
- ME468 - Mechanical Engineering Design II
- MG449 - Administrative Policy and Strategy
- MNGT400 - Capstone
- NR441 - Nursing Capstone
- PO410 - Capstone Seminar in Political Science
- PO491 - Honors in Political Science
- PS474 - Senior Laboratory II
- PY401 - Senior Seminar
- SP415 - Seminar: Topics in Spanish Literature and Culture
- SSDA400 - The Capstone Project

-

-

AND

Select One Concentration

- Each concentration must include a 3-credit course at the 300-400 level.
- Courses taken as part of the core program do not count toward the 15 credits for the concentration.
- A course in more than one concentration, cannot be shared with one another. Additional courses must be taken to complete more than one concentration.
- An internship experience within the area of concentration may be acceptable at the discretion of the Interdisciplinary department chair or designee.

Fulfill ANY of the following requirements:

Art and Humanities Concentration

-

Earn at least 15 credits from the following:

- SA105 - Introduction to Painting
- SA106 - Introduction to Printmaking
- SA107 - Introduction to Photography
- EN222 - Introduction to World Literatures
- EN241 - Introduction to Acting
- EN251 - Literature of the Sea
- EN282 - Literary Methods
- EN220 - Children's Literature
- EN250 - Crime in Literature
- EN270 - Military Literature
- EN322 - Topics in World Literatures
- HIST210 - History of US Constitution
- HIST310 - Historical Studies
- HIST348 - America's Wars as Constitutional Crises
- HIST425 - American Foreign Policy 20th Century
- HIST430 - The Cold War Revisited: The Sullivan Seminar
- PH324 - Criminal Justice Ethics
- PHLS210 - Ethics in the Modern World
  OR PH215 - Survey of Ethics
- RELG300 - Comparative Religion

- HUMA400 - Internship
- WRIT274 - Introduction to Creative Writing
- WRIT276 - Environmental Writing

Additionally, eligible courses are Spanish, Chinese or American Sign Language 100-499.

OR

Business and Management Concentration

-

Earn at least 15 credits from the following:

- AC205 - Principles of Accounting-Financial
- AC206 - Principles of Accounting-Managerial
- COMM261 - Interpersonal Communication
- COMM315 - Tech-Mediated Communication
- COMM320 - Strategic Media Communications
- CS120 - Business Applications & Problem Solving Techniques
- EC201 - Principles of Economics (Macro)
- EC202 - Principles of Economics (Micro)
- LEAD202 - Theories and Models of Leadership
- LEAD212 - Strategic Leadership
- LEAD311 - Global Leadership
- MG101 - Introduction to Business
- MG232 - Intercultural Engagements
- MG309 - Management of Organizations
- MG314 - Marketing Management
- MG341 - Business Law I
- MG346 - Business Law II
- MNGT330 - Management Information Systems
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World
- MNGT447 - Supply Chain Management Strategy, Planning, and Operations
- MNGT475 - Project Management Fundamentals
- PH322 - Money, Meaning and Morality
- QM213 - Business and Economic Statistics I

-

OR

Digital Literacy Concentration

-

Earn at least 15 credits from the following:

- COMM109 - Media Technology and Culture
- COMM214 - Navigating the Digital World
- COMM315 - Tech-Mediated Communication
- COMM318 - Media and Morality
- CS111 - Personal & Professional Cyber Safety
- CS140 - Programming and Computing
  OR CYBR210 - Computer Programming with a High Level Language
- CS142 - Introduction to Python Programming
  OR CYBR110 - Introduction to Computer Programming
- CS270 - Operating Systems & Parallelism
- CYBR341 - Foundations in Cyber Law and Cybercrime
- CYBR370 - Introduction to Information Warfare
- DF242 - Computer Forensics I
- EE215 - Fundamentals of Digital Design
- MNGT330 - Management Information Systems
- MNGT404 - Leadership in Tech-Driven World
- PH325 - Ethics of AI and Technology
- WRIT278 - Digital Storytelling

-

OR

Environmental Studies Concentration

-

Earn at least 15 credits from the following:

- AP244 - Building Resilience: Social and Environmental Justice in our Built Environment
- BI205 - Ecology
- BI309 - Biology for a Sustainable Future
- ES115 - Geographic Information Systems
- ES130 - Introduction to Environmental Law
- ES200 - Energy and The Environment
- ES268 - Freshwater Ecosystems
- GL110 - Introduction to Geology
- GL111 - Oceanography
- GL253 - Geomorphology
- GL261 - Field Geology
- PH323 - Environmental Ethics
- SCIE301 - Environmental Science
- WRIT276 - Environmental Writing

-

OR

Global Studies Concentration

-

Earn at least 15 credits from the following:

- EC419 - International Economics
- ECON313 - Socio-Economic Studies
- EN222 - Introduction to World Literatures
- EN322 - Topics in World Literatures
- FA201 - History/Theory of Architecture I
- FA202 - History/Theory of Architecture II
- LEAD311 - Global Leadership
- HI211 - Early East Asian Civilizations
- HI214 - History of the Middle East
- HI315 - Modern China
- HI317 - Modern Japan
- HIST210 - History of US Constitution
- HIST310 - Historical Studies
- HIST402 - Israeli-Palestinian Conflict
- HIST430 - The Cold War Revisited: The Sullivan Seminar
- HUMA400 - Internship
- PH220 - Comparative Religion
- PH302 - Global History of Philosophy
- POLS306 - Comparative Politics
  OR PO202 - Introduction to Comparative Politics
- POLS318 - International Terrorism
- RELG300 - Comparative Religion
- SOCI220 - Cultural Issues & CJ System
- SO218 - Intro to Cultural Competence

Additionally, eligible courses are Spanish, Chinese or American Sign Language 100-499.

OR

Leadership Studies Concentration

-

Earn at least 15 credits from the following:

- EN244 - The Literature of Leadership
- HHPR355 - Coaching Leadership in Sports

- LEAD201 - Principles of Leadership
- LEAD202 - Theories and Models of Leadership
- LEAD211 - Authentic Leadership
- LEAD212 - Strategic Leadership
- LEAD301 - Leading Cultural Competencies
- LEAD302 - Leading as Engaged Citizens
- LEAD311 - Global Leadership
- LEAD312 - Leading High Performance Teams
- MG103 - Women In Leadership
- MNGT401 - Sem in Leadership I:Fundamntls
- MNGT402 - Sem in Leadership II Styles EQ
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World
- PY210 - Psychology of Leadership

-

OR

Public Health Concentration

-

Earn at least 15 credits from the following:

- HHPR138 - Introduction to Health Professions
- HHPR139 - Health Science Research Methods
- HHPR212 - Health Promotion
- HHPR256 - Fundamentals of Epidemiology
- PUBH301 - Introduction to Public Health
- PUBH302 - Public Health Program Planning
- PUBH310 - Public Health Evaluation Methods
- PUBH311 - Public Health Research

-

OR

Social and Behavioral Science Concentration

-

Earn at least 15 credits from the following:

- CJ101 - Introduction to Criminal Justice
- CRIM209 - Methods of Social Science Research
- CRMJ303 - The Study of Crime
- ED262 - Child Growth and Development
- PY110 - Introduction to Psychology
- PY220 - Developmental Psychology
- PY241 - Introduction to Personality Theory
- POLS306 - Comparative Politics
  OR PO202 - Introduction to Comparative Politics
- SO218 - Intro to Cultural Competence
- SOCI220 - Cultural Issues & CJ System
- SOCI401 - Culture and Anthropology

-

OR

STEM Concentration

-

Earn at least 15 credits from the following:

- BI101 - Principles of Biology I
- BI102 - Principles of Biology II
- BI205 - Ecology

- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II
- BI220 - Introductory Microbiology
- BI309 - Biology for a Sustainable Future
- CH100 - Introduction to Forensic Science
- CH103 - General Chemistry I
- CH104 - General Chemistry II
- CH115 - Chemistry of Weapons of Mass Destruction
- CYBR110 - Introduction to Computer Programming
  OR CS142 - Introduction to Python Programming
- CYBR210 - Computer Programming with a High Level Language
  OR CS140 - Programming and Computing
- CS270 - Operating Systems & Parallelism
- EE215 - Fundamentals of Digital Design
- GL110 - Introduction to Geology
- GL111 - Oceanography
- GL156 - Introduction to Earth Evolution
- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR200 - Foods and Nutrition
- NR103 - Nursing History and Health Promotion
- MA107 - Precalculus Mathematics
- MA108 - Applied Calculus
- MA232 - Elementary Statistics
- MA241 - Mathematical Computation and Modeling
- MA310 - Linear Algebra
- MNGT330 - Management Information Systems
- PS201 - General Physics I
  OR PS211 - University Physics I
- PS202 - General Physics II
  OR PS212 - University Physics II
- PUBH301 - Introduction to Public Health
- SCIE301 - Environmental Science
- SCIE310 - The Scientific Basis of Sustainability

BI399 Scientific Writing

OR

Strategic Studies Concentration

-

Earn at least 15 credits from the following:

- CRIM101 - Introduction to Criminology
- CRIM330 - Terrorism
- CYBR341 - Foundations in Cyber Law and Cybercrime
- CYBR410 - Systems Assurance
- INSC313 - Global Security and Intelligence
- POLS302 - National Security Policy
- POLS306 - Comparative Politics
  OR PO202 - Introduction to Comparative Politics
- POLS318 - International Terrorism
- SSDA315 - Insurgency and Conflict

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Additional Comments:
Courses may not meet more than one requirement between the major and concentration.

Program Delivery
Online Program, Residential Program

Degree Designation
Bachelor of Interdisciplinary Studies

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Interdisciplinary

Name
-

Tags
-

Activity
-

Assessment
Capstone Artifact or Portfolio

Outcome
Graduates will demonstrate the ability to use concepts from more than one discipline to make a coherent argument about a text or problem.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Capstone artifact or portfolio

Outcome
Graduates will demonstrate the ability to collaborate effectively across disciplines.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Capstone Artifact or Portfolio

Outcome
Graduates will effectively communicate interdisciplinary concepts and research to audiences using appropriate documentation and presentation methods.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Capstone Presentation

Outcome
Graduates will demonstrate the ability to understand and use ethical principles in leadership roles.

Justification
-

Admission Criteria
See the admission's website for admission criteria.

Degree Map Name
Interdisciplinary Studies Residential Program
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	1	15

Requirement
- Leadership Core (Generic)

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	15

Requirement
- Communications Core (Generic)

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	3	13

Requirement
- Ethics & Critical Thinking Core (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
-
Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	4	15

Requirement
- Global Studies Core (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Goal 6: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	5	16

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Internship (recommended) (Generic)

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	6	16

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Internship (recommended) (Generic)

Semester/Term Credits 4

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	7	15

Requirement
- Capstone or Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	8	15

Requirement
- Capstone or Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Degree Map Name
Interdisciplinary Studies Online Program
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	8 Weeks	6

Requirement
- WRIT110 - Writing and Inquiry in Public Contexts

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	8 Weeks	6

Requirement
- PHLS205 - Critical Thinking

Semester/Term Credits 3

Requirement
- Select One: History

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	8 Weeks	6

Requirement
- LEAD111 - Foundations of Leadership

Semester/Term Credits 3

Requirement

- Select One: Math

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	8 Weeks	6

Requirement

- Select One: Literature

Semester/Term Credits 3

Requirement

- Select One: Natural Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	8 Weeks	6

Requirement

- PHLS210 - Ethics in the Modern World

Semester/Term Credits 3

Requirement

- Select One: Natural Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	8 Weeks	6

Requirement

- COMM301 - Business & Professional Writing

Semester/Term Credits 3

Requirement

- Select One: Social Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	8 Weeks	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 3

Requirement

- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	8 Weeks	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	8 Weeks	6

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	8 Weeks	6

Requirement
- MNGT400 - Capstone

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	8 Weeks	6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	8 Weeks	3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	8 Weeks	3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Defense Policy

Program Details

Simple Requisites

Defense Policy (M.A.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum B of 3.0 in the following:
- NT510 - Strategy and Policy
- NT560 - Capstone Planning Exercise

-

AND

Concentration

-

Fulfill ANY of the following requirements:

Global Concentration

-

Earn a minimum B of 3.0 in the following:
- MH540 - Non-Western Military History
- GD520 - Law and the International System

- GD560 - Military Intervention & Conflict Management in the International System
  OR GD561 - Human Rights and Conflict in the International System
  OR IR530 - International Security
- GA541 - Africa
  OR GA542 - Asia-Pacific
  OR GA543 - Latin America
  OR GA544 - Eurasia
  OR GA546 - The Middle East
  OR GA545 - Europe
  OR GA548 - South Asia

-

OR

North American Concentration

-

Earn a minimum B of 3.0 in the following:

- GA547 - North America
- IR520 - American Foreign Policy
- MH550 - U.S. Military History
- GD560 - Military Intervention & Conflict Management in the International System
  OR GD540 - Conflict Avoidance, Prevention & Containment in the International System
  OR GD561 - Human Rights and Conflict in the International System

-

One concentration is required.

-

Additional Comments:
Each course must earn a grade of B, or higher. A grade waiver for a grade below B, up to six credits, may be requested between the core and concentration. Course requirements must have a combined minimum grade point average of 3.0.

Program Delivery
Online Program

Degree Designation
Master of Arts

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Strategic Studies Programs

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Synthesize contemporary and past scholarly and official sources regarding defense policies in a region of the world.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Evaluate major trends in defense policies relating to kinetic operations, contingency planning, human rights, international law, intelligence, conflict management, diplomacy, international relations, peacekeeping, and/or historical patterns in a region of the world.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Analyze theories of defense policy with the goal of applying these theories to better understand contexts, causes, conduct, and consequences of defense-related activities.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Assess the interrelationship of defense policy and strategy in a regional operating environment.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Research and design a capstone project that plans for the effective application of defense policy that could achieve a national objective or solve a real-world problem.

Justification
-

Admission Criteria

- A minimum of an awarded bachelor's degree from a an accredited undergraduate institution;
- A score of 550 or higher on the TOEFL (or equivalent on the computer-based version) for students whose primary language is not English;
- Personal statement outlining career objectives, suitability for graduate study, on-line study, and reasons for undertaking graduate work;
- Résumé or curriculum vitae

Degree Map Name
Global Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- NT510 - Strategy and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GA541 - Africa
  OR
- GA542 - Asia-Pacific
  OR
- GA543 - Latin America
  OR
- GA544 - Eurasia
  OR
- GA545 - Europe
  OR
- GA546 - The Middle East
  OR
- GA548 - South Asia

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- MH540 - Non-Western Military History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- IR530 - International Security
  OR
- GD560 - Military Intervention & Conflict Management in the International System
  OR
- GD561 - Human Rights and Conflict in the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GD520 - Law and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- NT560 - Capstone Planning Exercise

Semester/Term Credits 6

Degree Map Name
North American Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- NT510 - Strategy and Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits

Year 1	2	6

Requirement
- GA547 - North America

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement
- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement
- MH550 - U.S. Military History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	0

Requirement
- GD540, or GD 560, or GD 561 (Generic)

Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement
- NT560 - Capstone Planning Exercise

Semester/Term Credits 6

Global Affairs

Program Details

Simple Requisites

Global Affairs (M.A.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum B of 3.0 in the following:
- GD510 - Theory and the International System
- IR520 - American Foreign Policy

-

AND

Concentration

-

Fulfill ANY of the following requirements:

Africa Concentration

-

Earn a minimum B of 3.0 in the following:

- GD530 - Economics and the International System
- IR553 - Capital and international Development
- GA541 - Africa

-

OR

Latin America Concentration

-

Earn a minimum B of 3.0 in the following:

- GD530 - Economics and the International System
- IR543 - PoliEconomy of IntDevelopment
- GA543 - Latin America

-

OR

South Asia Concentration

-

Earn a minimum B of 3.0 in the following:

- GD520 - Law and the International System
- IR553 - Capital and international Development
- GA548 - South Asia

-

OR

Europe Concentration

-

Earn a minimum B of 3.0 in the following:

- GD511 - The History of Diplomacy in the International System
- HI546 - World History from 1800 to 1991
- GA545 - Europe

-

OR

Asia-Pacific Concentration

-

Earn a minimum B of 3.0 in the following:

- GD530 - Economics and the International System
- MH541 - Chinese Military History
- GA542 - Asia-Pacific

-

OR

North America Concentration

-

Earn a minimum B of 3.0 in the following:

- HI530 - Nineteenth Century American History
- HI540 - Twentieth Century American History
- GA547 - North America

-

OR

Middle East Concentration

-

Earn a minimum B of 3.0 in the following:

- GD511 - The History of Diplomacy in the International System
- GA546 - The Middle East
- GA556 - Great Power Rivalry in the Middle East

-

OR

Eurasia Concentration

-

Earn a minimum B of 3.0 in the following:

- GD511 - The History of Diplomacy in the International System
- GA544 - Eurasia
- GA554 - Russian Foreign Policy

-

One concentration is required.

-

Additional Comments:
Each course must earn a grade of B, or higher. A grade waiver for a grade below B, up to six credits, may be requested between the core and concentration. Course requirements must have a combined minimum grade point average of 3.0.

Program Delivery
Online Program

Degree Designation
Master of Arts

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Public & International Affairs

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Synthesize information in a functional area of global affairs

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Devise projects reflecting a multicultural environment

Justification
-

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Formulate critical issues in a field of global affairs	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Prioritize ethical decisions in a multicultural context	**Justification** -

Admission Criteria

- A bachelor's degree from a regionally or nationally accredited U.S. institution, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
    - Undergraduate GPA of 2.75 or higher
- If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Norwich complies with VA regulations and guidelines as it pertains to transfer credits.

Degree Map Name
Africa Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement
- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement
- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement
- GD530 - Economics and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- IR553 - Capital and international Development

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GA541 - Africa

Semester/Term Credits 6

Degree Map Name
Latin America Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GD530 - Economics and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- IR543 - PoliEconomy of IntDevelopment

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GA543 - Latin America

Semester/Term Credits 6

Degree Map Name
South Asia Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GD520 - Law and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- IR553 - Capital and international Development

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GA548 - South Asia

Semester/Term Credits 6

Degree Map Name
Europe Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GD511 - The History of Diplomacy in the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- HI546 - World History from 1800 to 1991

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GA545 - Europe

Semester/Term Credits 6

Degree Map Name
Asia-Pacific Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GD530 - Economics and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	4	6

Requirement

- MH541 - Chinese Military History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GA542 - Asia-Pacific

Semester/Term Credits 6

Degree Map Name
North America Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- HI530 - Nineteenth Century American History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- HI540 - Twentieth Century American History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GA547 - North America

Semester/Term Credits 6

Degree Map Name
Middle East Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GD511 - The History of Diplomacy in the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GA546 - The Middle East

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GA556 - Great Power Rivalry in the Middle East

Semester/Term Credits 6

Degree Map Name
Eurasia Concentration
Degree Credits
30

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- GD510 - Theory and the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- IR520 - American Foreign Policy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GD511 - The History of Diplomacy in the International System

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GA544 - Eurasia

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GA554 - Russian Foreign Policy

Semester/Term Credits 6

Management

Program Details

Simple Requisites

Management (M.S.) Requirements

Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Leadership

-

Earn a minimum B of 3.0 in the following:

- OL510 - Leadership Fundamentals
- GB511 - Organizational Behavior and Resources Management
- GB543 - Risk Management Principles: A Strategic Approach

-

AND

Concentration

-

Fulfill ANY of the following requirements:

Non-Specialized Concentration

-

Fulfill ALL of the following requirements:

Capstone

-

Earn a minimum B of 3.0 in the following:

- OL561 - Capstone Studies

-

AND

Elective

-

Complete at least 2 of the following courses:

- GB544 - Project Management Techniques, Tools and Practices
- GB547 - Supply Chain Management Strategy Planning and Operations
- GB549 - Technology Management Strategy
- GB552 - International Business Management
- OL520 - Emotional Intelligence
- OL542 - Human Resources Leadership
- OL530 - Leading Change in Organizations
- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership
- AD542 - Leading the Nonprofit Organization
- AD586 - Public Leadership, Crisis Management, and Organizational Change
- GB560 - Strategic Management
- OL540 - Strategic Communication and Information Leadership

-

-

OR

Construction Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GB544 - Project Management Techniques, Tools and Practices
- CE539 - Contracts and Insurance
- CE559 - Project Finance and Accounting

-

OR

Project Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GB544 - Project Management Techniques, Tools and Practices
- GB554 - Project Management Leadership, Communications and Teams
- OL561 - Capstone Studies

-

OR

Technology Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GB549 - Technology Management Strategy
- GB544 - Project Management Techniques, Tools and Practices
- OL561 - Capstone Studies

-

OR

Organizational Leadership Management Concentration

-

Earn a minimum B of 3.0 in the following:

- OL530 - Leading Change in Organizations
- OL550 - Strategic Organizational Behavior
- OL561 - Capstone Studies

-

OR

Human Resource Leadership Management Concentration

-

Earn a minimum B of 3.0 in the following:

- OL542 - Human Resources Leadership
- OL552 - Leveraging Human Capacity for Strategic Results
- OL561 - Capstone Studies

-

OR

Nonprofit Management Concentration

-

Earn a minimum B of 3.0 in the following:

- AD552 - Nonprofit Administration
- OL561 - Capstone Studies
- AD542 - Leading the Nonprofit Organization

-

OR

Public Sector Leadership & Crisis Management Concentration

-

Earn a minimum B of 3.0 in the following:

- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership
- OL561 - Capstone Studies
- AD586 - Public Leadership, Crisis Management, and Organizational Change

-

OR

Cybersecurity Concentration

-

Complete ALL of the following Courses:

- GI557 - Cyber Law
- GI566 - Critical Infra. Protection
- OL561 - Capstone Studies

-

OR

Supply Chain Management Concentration

-

Earn a minimum B of 3.0 in the following:

- GB547 - Supply Chain Management Strategy Planning and Operations
- GB557 - Supply Chain Management Logistics, Design and Execution
- OL561 - Capstone Studies

-

One concentration is required.

-

Additional Comments:
Each course must earn a grade of B, or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements to include the core and concentration must have a combined minimum grade point average of 3.0.

Students may declare additional concentrations but they cannot overlap majors and minors or take two concentrations requiring the same course[s]. For example, a student cannot take both the Project Management and Technology Management concentrations because they both use GB544.

Program Delivery
Online Program

Degree Designation
Master of Science

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Name
-

Tags
-

Activity
-

Assessment
Assignments, Case Studies, and Discussions

Outcome
Graduates will effectively apply leadership principles and management strategies to lead diverse teams, manage conflict, and drive organizational performance in dynamic workplace environments

Justification
-

Name -	**Tags** -
Activity -	**Assessment** Assignments, Case Studies, and Discussions
Outcome Graduates will critically analyze and synthesize information across key areas of management, including organizational behavior, communication, and strategic resource planning, to develop innovative solutions for real-world managerial challenges.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Assignments, Case Studies, and Discussions
Outcome Graduates will design, implement, and evaluate research using both quantitative and qualitative methods to support data-driven decision-making and contribute to organizational effectiveness.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Assignments, Case Studies, and Discussions
Outcome Graduates will identify ethical dilemmas and demonstrate the ability to apply ethical frameworks and legal standards to make informed, responsible decisions in managerial contexts.	**Justification** -

Admission Criteria

- Bachelor's degree from an accredited institution.
- An undergraduate grade-point average (GPA) of 2.75 or higher.
- A score of 550 or higher in the Test of English as a Foreign Language (TOEFL) exam for students whose native language is not English.
- A statement of intent outlining the student's goals for their program of study at Norwich.

Degree Map Name
Non-Specialized Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- Concentration Course (Generic)

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Construction Management Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GB544 - Project Management Techniques, Tools and Practices

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- CE539 - Contracts and Insurance

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- CE559 - Project Finance and Accounting

Semester/Term Credits 6

Degree Map Name
Project Management Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GB544 - Project Management Techniques, Tools and Practices

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GB554 - Project Management Leadership, Communications and Teams

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Technology Management Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement
- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement
- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement
- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement
- GB549 - Technology Management Strategy

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement
- GB544 - Project Management Techniques, Tools and Practices

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement
- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Organizational Leadership Management Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement
- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- OL530 - Leading Change in Organizations

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- OL550 - Strategic Organizational Behavior

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Human Resource Leadership Management Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- OL542 - Human Resources Leadership

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- OL552 - Leveraging Human Capacity for Strategic Results

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Nonprofit Management Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- AD542 - Leading the Nonprofit Organization

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- AD552 - Nonprofit Administration

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Public Sector Leadership & Crisis Management Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- AD586 - Public Leadership, Crisis Management, and Organizational Change

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Cybersecurity Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GI566 - Critical Infra. Protection

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GI557 - Cyber Law

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Degree Map Name
Supply Chain Management Concentration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- OL510 - Leadership Fundamentals

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- GB543 - Risk Management Principles: A Strategic Approach

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- GB511 - Organizational Behavior and Resources Management

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- GB547 - Supply Chain Management Strategy Planning and Operations

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- GI557 - Cyber Law

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- OL561 - Capstone Studies

Semester/Term Credits 6

Museum Administration

Program Details

Simple Requisites

Museum Administration (M.A.) Requirements
Type
Completion Requirement

Requirements

-

Earn a minimum B of 3.0 in the following:

- HI513 - Introduction to Public History
- HI533 - Museum Studies
- AD542 - Leading the Nonprofit Organization
- HI547 - Internship and Capstone Topic Selection
- AD552 - Nonprofit Administration
- HI553 - Research and Planning Seminar
- HI563 - Internship and Capstone Project

-

Additional Comments:
Each course must earn a grade of B, or higher. A grade waiver for a grade below B, up to six credits, may be requested. Course requirements to include the core and concentration must have a combined minimum grade point average of 3.0.

Program Delivery
Online Program

Degree Designation
Master of Arts

Program Level
Graduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Military History & History

Name
-

Tags
-

Activity
-

Assessment
Assessed through student research papers and end of program capstone

Outcome
Synthesize the professional literature and methodological foundations of the Museum Studies and Public Administration fields relating to pedagogy, digitization, exhibition evaluation, research, interpretation, and creation, as well as leadership, strategic planning, personnel issues, administration, grant-writing, governance, ethics, branding, stewardship, and risk assessment.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Student research papers and internship

Outcome
Analyze real-world problems in historical interpretation and administration competencies and then determine solutions by applying theories and best practices in Museum Studies and Public Administration using the highest levels of Bloom's taxonomy.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Student research papers and internship

Outcome
Implement Museum Studies methodologies and Public Administration competencies through graduate-level exercises in the respective fields that culminate in a 300-hour Internship experience that produces a significant Capstone product.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Student will demonstrate the ethical standards by upholding those ethical standards throughout their course work.

Outcome
Develop understanding of ethical and legal responsibilities to maintain the public's trust and institutional transparency that underpin the Public Administration and Museum Studies professions.

Justification
-

Admission Criteria

- A minimum of an awarded bachelor's degree from an accredited undergraduate institution;
- A score of 550 or higher on the TOEFL (or equivalent on the computer-based version) for students whose primary language is not English;
- Personal statement outlining career objectives, suitability for graduate study, on-line study, and reasons for undertaking graduate work;
- Résumé or curriculum vitae

Degree Map Name
Museum Administration
Degree Credits
36

Year	Term	Semester/Term Credits
Year 1	1	6

Requirement

- HI513 - Introduction to Public History

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	2	6

Requirement

- HI533 - Museum Studies

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	3	6

Requirement

- AD542 - Leading the Nonprofit Organization

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 1	4	6

Requirement

- AD552 - Nonprofit Administration

Semester/Term Credits 6

Requirement

- HI547 - Internship and Capstone Topic Selection

Semester/Term Credits -

Year	Term	Semester/Term Credits
Year 2	5	6

Requirement

- HI553 - Research and Planning Seminar

Semester/Term Credits 6

Year	Term	Semester/Term Credits
Year 2	6	6

Requirement

- HI563 - Internship and Capstone Project

Semester/Term Credits 6

National Security Studies

Program Details

Simple Requisites

National Security Studies (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- HIST425 - American Foreign Policy 20th Century
- MA232 - Elementary Statistics
- RELG300 - Comparative Religion
- SCIE301 - Environmental Science
- SSDA315 - Insurgency and Conflict
- SSDA325 - Law of Armed Conflict and Legal Basis for Use of Force
- SSDA400 - The Capstone Project
- EN270 - Military Literature

-

AND

Support Courses

-

Earn at least 18 credits from the following:

- CJ430 - Homeland Security
- CRIM330 - Terrorism
- ECON313 - Socio-Economic Studies
- HIST210 - History of US Constitution
- HIST310 - Historical Studies
- INSC313 - Global Security and Intelligence
- INSC320 - Intelligence Management
- PHLS210 - Ethics in the Modern World
- POLS302 - National Security Policy
- POLS318 - International Terrorism
- SO218 - Intro to Cultural Competence
- SSDA310 - Emergency and Disaster Relief Operations
- SSDA320 - Information Operations

-

AND

Field Studies

-

Complete at least 2 of the following courses:

- ECON401 - Economic Studies
- SOCI401 - Culture and Anthropology
- SOCI406 - Area Studies

-

-

Additional Comments:
The National Security Studies major cannot be declared with the Strategic Studies & Defense Analysis major.

Program Delivery
Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Strategic Studies Programs

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Evaluate classic and contemporary theories, strategies, doctrines, and procedures related to the causes, conduct, prevention and termination of armed conflict and the maintenance of peace.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Assess and predict traditional and non-traditional threats to national security.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Conduct research and create professional and academic analyses on issues critical to national security.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Identify, understand, and analyze critical national and international security issues.

Justification
-

Admission Criteria
The program is open to those who are active duty or retired from the U.S. Department of Defense, including reserve and National Guard components. Members of the military or civilian intelligence community and federal law enforcement personnel are eligible.

Degree Map Name
National Security Studies Sample Degree Plan
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	1	15

Requirement
- SCIE301 - Environmental Science

Semester/Term Credits 3

Requirement
- RELG300 - Comparative Religion

Semester/Term Credits 3

Requirement
- HIST425 - American Foreign Policy 20th Century

Semester/Term Credits 3

Requirement
- WRIT110 - Writing and Inquiry in Public Contexts

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	15

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- SSDA315 - Insurgency and Conflict

Semester/Term Credits 6

Requirement
- EN270 - Military Literature

Semester/Term Credits 3

Requirement
- Select One: Ethics

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	3	15

Requirement
- ECON401 - Economic Studies

Semester/Term Credits 6

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Select One: Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	4	15

Requirement
- SOCI401 - Culture and Anthropology

Semester/Term Credits 6

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- SSDA325 - Law of Armed Conflict and Legal Basis for Use of Force

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	1	15

Requirement
- SOCI406 - Area Studies

Semester/Term Credits 6

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	6	15

Requirement
- SSDA400 - The Capstone Project

Semester/Term Credits 6

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	1	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	2	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Public Health

Program Details

Simple Requisites

Public Health (B.P.H.) Requirements

Type
Completion Requirement

Couse Requirements

-

Fulfill ALL of the following requirements:

Health Care Core

-

Complete ALL of the following Courses:

- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR138 - Introduction to Health Professions
- HHPR139 - Health Science Research Methods
- HHPR439 - Leadership & Management in Healthcare
- MG360 - Health Economics & Policy

-

AND

Public Health Core

-

Complete ALL of the following Courses:

- HHPR256 - Fundamentals of Epidemiology
- HHPR450 - Capstone Experience I
- SSDA310 - Emergency and Disaster Relief Operations
- PUBH301 - Introduction to Public Health
- PUBH302 - Public Health Program Planning
- PUBH310 - Public Health Evaluation Methods
- PUBH311 - Public Health Research
- PUBH410 - Health, Wellness and Disease Prevention I
- PUBH411 - Health, Wellness and Disease Prevention II
- PUBH420 - Disaster Response Planning and Crisis Management I
- PUBH421 - Disaster Response Planning and Crisis Management II
- PUBH450 - Integrative Public Health Experiential Capstone

For students in the residential program, CJ101 Intro to Criminal Justice and CJ327 Emergency Management may be taken in place of SSDA310.

-

Additional Comments:
A bachelor's degree is comprised of a major, general education, and free elective courses.

Program Delivery
Online Program, Residential Program

Degree Designation
Bachelor of Public Health

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Public Health, Health and Human Performance

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Locate, use, evaluate and synthesize public health information

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Assess population health needs at the intersections of human, environment and disease interactions

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Plan public health programs and crisis intervention using evidence-based assessment outcomes data

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Communicate public health information, in oral and written forms, through a variety of modalities, settings and audiences

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Work within healthcare and community systems to address needs of specific communities and populations

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Promote health improvement and disease prevention

Justification
-

Admission Criteria
This program has no additional program requirements.

Degree Map Name
Public Health Online Program
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	1	15

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 3

Requirement
- HHPR138 - Introduction to Health Professions

Semester/Term Credits 3

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	15

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- HHPR139 - Health Science Research Methods

Semester/Term Credits 3

Requirement
- PUBH301 - Introduction to Public Health

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	3	15

Requirement
- HHPR256 - Fundamentals of Epidemiology

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- PUBH302 - Public Health Program Planning

Semester/Term Credits 3

Requirement
- Select One: Writing & Research

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	4	18

Requirement
- SSDA310 - Emergency and Disaster Relief Operations

Semester/Term Credits 6

Requirement
- MG360 - Health Economics & Policy

Semester/Term Credits 3

Requirement
- Select One: Social Science

Semester/Term Credits 3

Requirement
- Select One: History

Semester/Term Credits 3

Requirement
- Select One: Leadership

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	5	12

Requirement
- PUBH310 - Public Health Evaluation Methods

Semester/Term Credits 3

Requirement
- PUBH311 - Public Health Research

Semester/Term Credits 3

Requirement
- Select One: Ethics

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	6	15

Requirement
- PUBH410 - Health, Wellness and Disease Prevention I

Semester/Term Credits 3

Requirement
- PUBH411 - Health, Wellness and Disease Prevention II

Semester/Term Credits 3

Requirement
- HHPR439 - Leadership & Management in Healthcare

Semester/Term Credits 3

Requirement
- Select One: Literature

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	7	15

Requirement
- PUBH420 - Disaster Response Planning and Crisis Management I

Semester/Term Credits 3

Requirement
- PUBH421 - Disaster Response Planning and Crisis Management II

Semester/Term Credits 3

Requirement
- Select One: Fine Arts/Humanities

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	8	15

Requirement
- HHPR450 - Capstone Experience I

Semester/Term Credits 3

Requirement
- PUBH450 - Integrative Public Health Experiential Capstone

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Degree Map Name
Public Health Residential Program
Degree Credits
121

Year	Term	Semester/Term Credits
Year 1	1	15

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- HHPR101 - Scientific Foundations of Health and Wellness

Semester/Term Credits 3

Requirement
- General Education Goal 5

Semester/Term Credits 3

Requirement
- General Education Goal 1

Semester/Term Credits 3

Requirement
- General Education Goal 4

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	16

Requirement
- General Education Goal 4

Semester/Term Credits 4

Requirement
- General Education Goal 2

Semester/Term Credits 3

Requirement
- General Education Goal 1

Semester/Term Credits 3

Requirement
- HHPR138 - Introduction to Health Professions

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	3	15

Requirement
- HHPR139 - Health Science Research Methods

Semester/Term Credits 3

Requirement
- PUBH301 - Introduction to Public Health

Semester/Term Credits 3

Requirement
- PUBH302 - Public Health Program Planning

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	4	15

Requirement
- HHPR256 - Fundamentals of Epidemiology

Semester/Term Credits 3

Requirement
- PUBH310 - Public Health Evaluation Methods

Semester/Term Credits 3

Requirement
- PUBH311 - Public Health Research

Semester/Term Credits 3

Requirement
- General Education Goal 6

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	5	15

Requirement
- PUBH410 - Health, Wellness and Disease Prevention I

Semester/Term Credits 3

Requirement
- MG360 - Health Economics & Policy

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	6	15

Requirement
- PUBH411 - Health, Wellness and Disease Prevention II

Semester/Term Credits 3

Requirement
- CJ101 - Introduction to Criminal Justice
- **AND** CJ327 - Emergency Management

Semester/Term Credits 6

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	7	15

Requirement
- PUBH420 - Disaster Response Planning and Crisis Management I

Semester/Term Credits 3

Requirement
- PUBH421 - Disaster Response Planning and Crisis Management II

Semester/Term Credits 3

Requirement
- HHPR439 - Leadership & Management in Healthcare

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	8	15

Requirement
- HHPR450 - Capstone Experience I

Semester/Term Credits 3

Requirement
- PUBH450 - Integrative Public Health Experiential Capstone

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Management Studies

Program Details

Simple Requisites

Management Studies (B.S.) Requirements
Type
Completion Requirement

Core Requirements

-

Complete ALL of the following Courses:
- COMM301 - Business & Professional Writing
- COMM315 - Tech-Mediated Communication
- ECON250 - Seminar in Economics
- LEAD111 - Foundations of Leadership
- MG309 - Management of Organizations
- MG314 - Marketing Management
- MNGT315 - Leadership
- MNGT330 - Management Information Systems
- MNGT400 - Capstone
- QM213 - Business and Economic Statistics I
- PHLS205 - Critical Thinking
- PHLS210 - Ethics in the Modern World

ECON250 may be replaced with EC201 and EC202.

Select One Concentration

-

Fulfill ANY of the following requirements:

Cybersecurity Concentration

-

Complete ALL of the following Courses:
- CYBR341 - Foundations in Cyber Law and Cybercrime
- CYBR410 - Systems Assurance
- IA340 - Introduction to Information Assurance
- IA342 - Management of Information Assurance
- MNGT475 - Project Management Fundamentals
- MNGT476 - Project Management Advanced Techniques

-

OR

Human Resource Management Concentration

-

Complete ALL of the following Courses:
- MNGT421 - Sem in Human Resource Mngt I
- MNGT422 - Sem in Human Resource Mngt II
- MNGT423 - Human Capital Planning
- MNGT424 - Strategic Role of HRM in Organizations

-

OR

Leadership Concentration

-

Complete ALL of the following Courses:

- MNGT401 - Sem in Leadership I:Fundamntls
- MNGT402 - Sem in Leadership II Styles EQ
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World

-

OR

Marketing Concentration

-

Complete ALL of the following Courses:

- MG416 - Advanced Marketing
- MNGT404 - Leadership in Tech-Driven World
- MG441 - Integrated Marketing Communications
- MNGT475 - Project Management Fundamentals
- PY110 - Introduction to Psychology
- QM370 - Quantitative Methods for Marketing & Finance

-

OR

Project Management Concentration

-

Complete ALL of the following Courses:

- MNGT401 - Sem in Leadership I:Fundamntls
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World
- MNGT475 - Project Management Fundamentals
- MNGT476 - Project Management Advanced Techniques

-

OR

Supply Chain Concentration

-

Complete ALL of the following Courses:

- MNGT447 - Supply Chain Management Strategy, Planning, and Operations
- MNGT457 - Supply Chain Management Logistics Design and Execution
- MNGT467 - Supply Chain Management Assessment, Integration, and Optimization

-

OR

Non Specialized Concentration

-

Earn at least 18 credits from the following:

- INSC320 - Intelligence Management
- LEAD201 - Principles of Leadership

- LEAD202 - Theories and Models of Leadership
- LEAD212 - Strategic Leadership
- LEAD311 - Global Leadership
- MG319 - International Dimensions of Business
- MG416 - Advanced Marketing
- MG441 - Integrated Marketing Communications
- MNGT403 - Leadership of Change
- MNGT404 - Leadership in Tech-Driven World
- MNGT441 - Public Procurement and Contracting
- MNGT442 - Public Procurement and Strategic Planning
- MNGT447 - Supply Chain Management Strategy, Planning, and Operations
- MNGT475 - Project Management Fundamentals
- PY110 - Introduction to Psychology
- QM370 - Quantitative Methods for Marketing & Finance

-

-

Additional Comments:
At least one concentration (18 credits) is required. More than one concentration may be added except where courses overlap between the concentrations or meet a declared minor requirement.

A bachelor's degree is comprised of a major, general education, and free elective courses.

Program Delivery
Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Name
-

Tags
-

Activity
-

Assessment
Discussion, Quizzes, and Assignments

Outcome
Demonstrate the knowledge, skills, and abilities needed to assume mid-to upper-level management positions in organizations in both the public and private sectors

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussion, Quizzes, and Assignments

Outcome
Apply management and leadership theory, principles, and best practices to organizational challenges caused by economic, social, and technological change

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussion, Quizzes, and Assignments

Outcome
Critically evaluate and apply quantitative and qualitative research in management and related disciplines

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussion, Quizzes, and Assignments

Outcome
Communicate effectively in writing, verbal, and via technology-mediated modalities

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussion, Quizzes, and Assignments

Outcome
Concentrations offer students the opportunity to develop specialized knowledge for a specific area of management

Justification
-

Admission Criteria
See the admission's website for admission criteria.

Degree Map Name
Management Studies
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	1	15

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- COMM301 - Business & Professional Writing

Semester/Term Credits 3

Requirement
- PHLS205 - Critical Thinking

Semester/Term Credits 3

Requirement
- EN110 - Writing and Inquiry in Public Contexts (Inactive)

Semester/Term Credits 3

Requirement
- Select One: History

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	15

Requirement
- Select One: Fine Arts/Humanities

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Requirement
- Select One: Math

Semester/Term Credits 3

Requirement
- Select One: Literature

Semester/Term Credits 3

Requirement
- MNGT330 - Management Information Systems

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	3	15

Requirement
- QM213 - Business and Economic Statistics I

Semester/Term Credits 3

Requirement
- EC202 - Principles of Economics (Micro)

Semester/Term Credits 3

Requirement
- EC201 - Principles of Economics (Macro)

Semester/Term Credits 3

Requirement
- COMM302 - Data Analysis and Writing (Inactive)

Semester/Term Credits 3

Requirement
- MG309 - Management of Organizations

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	4	15

Requirement
- MG314 - Marketing Management

Semester/Term Credits 3

Requirement
- MNGT315 - Leadership

Semester/Term Credits 3

Requirement
- COMM315 - Tech-Mediated Communication

Semester/Term Credits 3

Requirement
- Select One: Leadership

Semester/Term Credits 3

Requirement
- Select One: Natural Science

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	5	15

Requirement
- PHLS210 - Ethics in the Modern World

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	6	15

Requirement
- MNGT400 - Capstone

Semester/Term Credits 6

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	7	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	8	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Strategic Studies & Defense Analysis (B.S.)

Program Details

Simple Requisites

Strategic Studies & Defense (B.S.) Program Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- ECON401 - Economic Studies
- EN270 - Military Literature
- HIST310 - Historical Studies
  OR HIST402 - Israeli-Palestinian Conflict
  OR HIST425 - American Foreign Policy 20th Century
- MA232 - Elementary Statistics
- RELG300 - Comparative Religion
- SCIE301 - Environmental Science
- SCIE310 - The Scientific Basis of Sustainability
- SOCI401 - Culture and Anthropology
- SOCI406 - Area Studies
- SSDA400 - The Capstone Project

-

AND

Support Courses

-

Earn at least 18 credits from the following:

- CJ430 - Homeland Security
- CYBR370 - Introduction to Information Warfare
- CYBR380 - Offensive Information Warfare
- CYBR382 - Defensive Information Warfare
- ECON313 - Socio-Economic Studies
- HIST210 - History of US Constitution
- HIST402 - Israeli-Palestinian Conflict
- HIST425 - American Foreign Policy 20th Century
- IA241 - Cyberlaw and Cybercrime
- IA340 - Introduction to Information Assurance
- IA342 - Management of Information Assurance
- MG310 - Production/Operations Management
- MNGT315 - Leadership
- POLS302 - National Security Policy
- POLS306 - Comparative Politics
- POLS318 - International Terrorism
- SO218 - Intro to Cultural Competence
- SSDA310 - Emergency and Disaster Relief Operations
- SSDA315 - Insurgency and Conflict
- SSDA320 - Information Operations
- SSDA325 - Law of Armed Conflict and Legal Basis for Use of Force

-

-

Additional Comments:

The National Security Studies major cannot be declared with the Strategic Studies & Defense Analysis major.

Program Delivery
Online Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Graduate & Continuing Studies

School/Department(s)
Strategic Studies Programs

Name
-

Tags
-

Activity
-

Assessment
Written Assignment

Outcome
Identify, describe, and explain the geographic features of the region.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Written Assignment

Outcome
Demonstrate understanding of the history of the region and its impact on current events.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Written Assignment

Outcome
Identify various cultures of the region, explain similarities and differences among them, and apply this knowledge to develop problem solving strategies within a range of contexts.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Written Assignment

Outcome
Identify political figures in the region, analyze their positions on various issues, and apply this knowledge to develop effective collaborative relationships and/or intervention strategies.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Written Assignment

Outcome
Understand the economics of the region, analyze a range of economic factors, and formulate recommendations for economic activities.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Written Assignment

Outcome
Appraise and articulate the role of the United States within the region.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Written Assignment

Outcome
Appraise and articulate the role of the US Army within the region.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Written Asssignment

Outcome
Demonstrate knowledge and skills related to cross cultural competence.

Justification
-

Admission Criteria
The Strategic Studies and Defense Analysis program is open to those who are active duty or retired from the U.S. Special Operations Forces, including reserve and National Guard components, as well as to other service members who are assigned to Special Operations Units.

Degree Map Name
Strategic Studies & Defense Analysis Sample Degree Plan
Degree Credits
120

Year	Term	Semester/Term Credits
Year 1	Term 1	15

Requirement
- MA232 - Elementary Statistics

Semester/Term Credits 3

Requirement
- EN270 - Military Literature

Semester/Term Credits 3

Requirement
- SCIE301 - Environmental Science

Semester/Term Credits 3

Requirement
- General Education Goal 1

Semester/Term Credits 3

Requirement
- General Education Goal 5

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 2	15

Requirement
- HIST310 - Historical Studies

Semester/Term Credits 3

Requirement
- RELG300 - Comparative Religion

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- General Education Goal 2

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Term 3	15

Requirement
- SCIE310 - The Scientific Basis of Sustainability

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- ECON401 - Economic Studies

Semester/Term Credits 6

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 4	15

Requirement
- SOCI401 - Culture and Anthropology

Semester/Term Credits 6

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 5	15

Requirement
- SOCI406 - Area Studies

Semester/Term Credits 6

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Term 6	15

Requirement
- SSDA400 - The Capstone Project

Semester/Term Credits 6

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Term 7	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Term 8	15

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Nursing - Adult Gerontology Acute Care Nurse Practitioner (AG-ACNP)

Program Details

Simple Requisites

Adult Gerontology Acute Care Nurse Practitioner Requirements (click here)
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- NR591 - Advanced Pharmacology-Population Focus: Acute Care Adult Gerontology
- NR621 - Adult Geriatric Acute Care I
- NR622 - Adult Geriatric Acute Care 1 Clinical
- NR623 - Adult Geriatric Acute Care II
- NR624 - Adult Geriatric Acute Care II Clinical
- NR625 - Adult Geriatric Acute Care III
- NR626 - Adult Geriatric and Acute Care III Clinical
- NR627 - Adult Geriatric Acute Care IV
- NR628 - Adult Geriatric Acute Care IV Clinical

-

Admission Requirement (click here)
Type
Prerequisite

Advanced Nursing

-

Complete ALL of the following Courses:

- NR548 - Advanced Pathophysiology
- NR552 - Advanced Pharmacology
- NR553 - Advanced Physical Assessment

Completed within the last five years of program entry.

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Post Master's Certificate

College
College of Professional Schools

School/Department(s)
Nursing, School of

Admission Criteria

- Hold a current, unencumbered RN license in your state of practice.
- Hold a Master of Science in Nursing degree from a Commission on Collegiate Nursing Education (CCNE) or Accreditation Commission for Education in Nursing (ACEN) nationally accredited program with a GPA of 3.0 or better required.
- Prerequisite courses completed within the past five years and prior to enrolling in certificate courses. NR548 Advanced Pathophysiology, NR552 Advanced Pharmacology, NR553 Adv Physical Assessment.
- Letter of intent and letter of recommendation (deferred if Norwich graduate)

Artificial Intelligence

Program Details

Simple Requisites

Artificial Intelligence
Type
Completion Requirement

Certificate Course Requirements

-

Earn a minimum B of 3.0 in the following:

- ARIN500 - Artificial Intelligence in Industry
- ARIN510 - Unlocking the Power of Applied Artificial Intelligence

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will be tracked over time to find patterns for validation and improvement.

Outcome
Critically analyze case studies on digital transformation, data strategy, and AI-powered enterprise solutions to identify real world obstacles and possibilities.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will be tracked over time to find patterns for validation and improvement.

Outcome
Use data governance and responsible AI concepts to evaluate the ethical implications of AI technologies and defend judgments in business cases, promoting responsible and informed AI technology management and its impact on the organization.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will be tracked over time to find patterns for validation and improvement.

Outcome
Establish and interpret metrics for various model types, given business needs.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will be tracked over time to find patterns for validation and improvement.

Outcome
Create machine learning models for various types of data with and without annotation.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will be tracked over time to find patterns for validation and improvement.

Outcome
Interpret exploratory data analysis (EDA) findings.

Justification
-

Name -	**Tags** -
Activity -	**Assessment** Assessment of assignments and discussion posts by instructors. Results will be tracked over time to find patterns for validation and improvement.
Outcome Translate data analysis and model findings in order to clearly communicate to non-technical team members.	**Justification** -

Admission Criteria

1. A bachelor's degree from an accredited institution in any field.
2. A minimum GPA of 2.75 (or equivalent work experience in a related field).
3. Basic programming knowledge or familiarity with data analysis (preferred but not required).

For international students:

Official transcripts from international institutions must be evaluated by an approved third-party service provider to determine equivalency to a bachelor's degree from a regionally or nationally accredited U.S. institution, or equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran with the exception of official English-language transcripts from any Canadian institution approved by CICIC.

Submit an English proficiency assessment. If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:

- TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
- IELTS – a minimum composite score of 6.5 is required.

Cybersecurity & Advanced Technology

Program Details

Simple Requisites

Cybersecurity & Advanced Technology (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Earn a minimum C of 2.0 in the following:

- CS100 - Foundations of Computer Science and Information Assurance
- CS140 - Programming and Computing

CS100 Found/Comp Sci&Info Assurance may be waived with a sufficient score on the credit-by-exam.

AND

Support Courses

-

Complete ALL of the following Courses:

- CS111 - Personal & Professional Cyber Safety
- CS142 - Introduction to Python Programming
- CS228 - Introduction to Data Structures
- CS240 - Database Management
- CS260 - Data Communications and Networks
- CS301 - Software Engineering

- CS312 - Assembly Language and Reverse Engineering
- DF242 - Computer Forensics I
- EN112 - Public Speaking
- IA241 - Cyberlaw and Cybercrime
- IA340 - Introduction to Information Assurance
- IA342 - Management of Information Assurance
- IA455 - Contemporary Issues in Information Assurance
- IA456 - Cyber Defense Practicum
- MA107 - Precalculus Mathematics
- MA240 - Introduction to Number Theory and Cryptology
- MA318 - Cryptology
- MG341 - Business Law I
- PY110 - Introduction to Psychology
- QM213 - Business and Economic Statistics I
  OR MA232 - Elementary Statistics

MA107 Precalculus Mathematics is waived when Math Placement into MA108 Applied Calculus or MA121 Calculus I.

IA 340 and IA 341 may be replaced with one course, GI512 Mastering Cyber Foundations.

AND

One concentration is required

-

Fulfill ANY of the following requirements:

Forensics Concentration

-

Fulfill ALL of the following requirements:

Digital Forensics

-

Complete ALL of the following Courses:

- DF311 - Network Forensics
- DF312 - Malware Forensics
- DF411 - Cyber Investigation
- DF425 - Advanced Digital Forensics

-

AND

Forensics Electives

-

Earn at least 6 credits from the following:

- CS250 - Virtual Systems Administration
- CS270 - Operating Systems & Parallelism
- CS330 - Ethics in Computing and Technology
- CS406 - Topics Course
- CS407 - Politics of Cyberspace
- CS410 - Computing Internship
- IA360 - Network Security
- IWAR320 - Social Media Based Influence Operations
- IWAR325 - Information Warfare-Cyberspace Operations
- IWAR328 - Information Warfare and Threat Analysis
- MG309 - Management of Organizations
- MG346 - Business Law II
- MG351 - Organizational Behavior
- PY234 - Forensic Psychology

-

-

OR

Cybersecurity Concentration

-

Fulfill ALL of the following requirements:

Systems and Organizations

-

Complete ALL of the following Courses:

- CS270 - Operating Systems & Parallelism
- IA360 - Network Security
- MG309 - Management of Organizations
- MG351 - Organizational Behavior

-

AND

Cyberseurity Electives

-

Earn at least 6 credits from the following:

- CS221 - GUI Programming (Inactive)
- CS250 - Virtual Systems Administration
- CS270 - Operating Systems & Parallelism
- CS330 - Ethics in Computing and Technology
- CS406 - Topics Course
- CS407 - Politics of Cyberspace
- CS410 - Computing Internship
- DF311 - Network Forensics
- DF312 - Malware Forensics
- DF411 - Cyber Investigation
- DF425 - Advanced Digital Forensics
- IWAR320 - Social Media Based Influence Operations
- IWAR325 - Information Warfare-Cyberspace Operations
- IWAR328 - Information Warfare and Threat Analysis
- MG346 - Business Law II
- PY234 - Forensic Psychology

-

-

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Professional Schools

School/Department(s)
Cybersecurity & Advanced Computing, School of

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Clear and effective communication of the fundamentals of computers, computer science, computer security, and information assurance;

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Facility in at least one programming language and a basic knowledge of at least one other;

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Ability to identify and discuss the fundamental hardware and software architecture of computer systems;

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Application of fundamental theory and practice of digital forensics, digital-incident investigation, and information assurance;

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Professional-level knowledge regarding cyber-law and cyber-crime, including: identifying and classifying cyber-crimes; the motivations of cyber-criminals; seizure and handling of computer-related evidence; admissibility of digital-incident evidence in courts of law; preparing and delivering professional testimony; and the key regulations and laws regarding cyber-crimes of varying types and jurisdictions;

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome
Ethical, responsible conduct, both personal and professional, in their computer-security and information-assurance practices consistent with the highest professional standards of the field; and

Justification
-

Name
-

Tags
-

Activity
-

Assessment
NA

Outcome	Justification
Depth of knowledge and application of the concepts, terminology and techniques of their chosen concentration area.	-

Admission Criteria
Accelerated Master's

This major offers an accelerated path to complete both a Bachelor of Science (BS) with a major in Cybersecurity and Advanced Technology and a Master of Science (MS), with a major in Cybersecurity in five years as a full-time student.

Students requesting admission into the Master of Science program in Cybersecurity will typically be expected to earn at least a grade of "B" in graduate-level coursework as a part of the accelerated master's and a minimum overall cumulative undergraduate Bachelor's GPA of 3.0.

One graduate-level course must be taken during the student's undergraduate junior or senior year. This course, which will count toward both the student's B.S. and M.S. requirements, is: GI512 Mastering Cyber Foundations (6 credits).

A candidate for the accelerated masters will typically self-identify or be invited by an advisor/professor at the beginning of either the freshmen or sophomore year [13-27 credit hours] after fall semester grades are posted.

Application Requirements

- A letter of intent
- Two letters of recommendation from faculty, and
- A resume

The required application documents should be submitted to the school typically no later than the second term of the student's sophomore year [27-57 credit hours]. These items are similar to those used to seek admittance to the Master of Science, Cybersecurity program.

Upon approval by the School Director or Asst. Director and the College of Graduate and Continuing Studies Program Manager an approved student may submit a request to enroll in the required CGCS courses. Those who receive approval and register for the courses must still meet graduate program standards.

Degree Map Name
Cybersecurity & Advanced Technology Sample Plan
Degree Credits
120 - 124

Year	Term	Semester/Term Credits
Year 1	1	10 - 14

Requirement
- CS100 - Foundations of Computer Science and Information Assurance

Semester/Term Credits 3

Requirement
- CS111 - Personal & Professional Cyber Safety

Semester/Term Credits 1

Requirement
- MA107 - Precalculus Mathematics

Semester/Term Credits 0 - 4

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	2	15

Requirement
- CS142 - Introduction to Python Programming

Semester/Term Credits 3

Requirement
- PY110 - Introduction to Psychology

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	3	16

Requirement
- CS140 - Programming and Computing

Semester/Term Credits 4

Requirement
- IA241 - Cyberlaw and Cybercrime

Semester/Term Credits 3

Requirement
- MA240 - Introduction to Number Theory and Cryptology

Semester/Term Credits 3

Requirement
- MG341 - Business Law I

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	4	15

Requirement
- CS228 - Introduction to Data Structures

Semester/Term Credits 3

Requirement
- CS260 - Data Communications and Networks

Semester/Term Credits 3

Requirement
- EN112 - Public Speaking

Semester/Term Credits 3

Requirement
- MA318 - Cryptology

Semester/Term Credits 3

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	5	17

Requirement
- DF242 - Computer Forensics I

Semester/Term Credits 4

Requirement
- IA340 - Introduction to Information Assurance

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- CS312 - Assembly Language and Reverse Engineering

Semester/Term Credits 4

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	6	15

Requirement
- CS240 - Database Management

Semester/Term Credits 3

Requirement
- CS301 - Software Engineering

Semester/Term Credits 3

Requirement
- IA342 - Management of Information Assurance

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	7	16

Requirement
- IA455 - Contemporary Issues in Information Assurance
  OR
- QM213 - Business and Economic Statistics I
  OR
- Concentration Course (Generic)
  OR
- General Education Goal 3 (Generic)
  OR
- General Education Goal 4 (Generic)

Semester/Term Credits 3

Requirement
- QM213 - Business and Economic Statistics I

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 4	8	16

Requirement
- IA456 - Cyber Defense Practicum

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Concentration Course (Generic)

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Requirement
- Elective Course (Generic)

Semester/Term Credits 3

Cyber Defense Essentials

Program Details

Simple Requisites

Certificate in Cyber Defense Essentials
Type
Completion Requirement

Course Requirements

-

Earn a minimum grade of B in the following:
- GI512 - Mastering Cybersecurity Foundations
- GI522 - Information Assurance Technology

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name
-

Tags
-

Activity
-

Assessment
Assignments and discussions

Outcome
Develop Foundational Cyber Defense Skills

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussions and assignments

Outcome
Apply Industry and Defense-Grade Practices

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Discussions and assignments

Outcome
Enhance Operational Readiness and Strategic Thinking

Justification
-

Admission Criteria
Admission Criteria

A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

- Undergraduate GPA of 2.75 or higher

Computer Forensic Investigation/Incident Response Team Management

Program Details

Simple Requisites

Computer Forensic Investigation/Incident Response Team Management Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- GI551 - Computer Forensic Investigations
- GI554 - Computer Security Incident Response Team Management

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Admission Criteria
An understanding of the Microsoft Windows operating systems and a background in systems administration is helpful, but not required.

A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Human Aspects & Analytics

Program Details

Simple Requisites

Human Aspects and Analytics Requirements
Type
Completion Requirement

Certificate Courses

-

Complete ALL of the following Courses:

- GI532 - Human Factors and Managing Risk
- GI542 - Information Assurance Management and Analytics

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Demonstrate the ability to analyze real-world problems through application of technical knowledge.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Demonstrate the ability to communicate effectively. Students will demonstrate an understanding of professional life and will recognize the need for professionals and citizens in an evolving global society to pursue a course of life-long learning.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Demonstrate the ability to work professionally in team environments to successfully address questions of information security management.	**Justification** -

Admission Criteria
Students who do not have a degree in Computer Science, Information Technology, or Cybersecurity need to demonstrate that they have a baseline knowledge in the following areas:

- Computer Networking
- Computer Science/Cybersecurity
- Linux operating system
- Scripting and Programming
- Microsoft Operating Systems
- Database systems (SQL)

This knowledge can be achieved through college credit, industry training, industry certification, or professional experience.

A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

- Undergraduate GPA of 2.75 or higher

Critical Infrastructure Protection and Cybercrime

Program Details

Simple Requisites

Critical Infrastructure Protection and Cybercrime Requirements
Type

Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- GI556 - Cyber Crime
- GI566 - Critical Infra. Protection

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Cyber Law and International Perspectives on Cyberspace

Program Details

Simple Requisites

Cyber Law and International Perspectives on Cyberspace Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- GI557 - Cyber Law
- GI567 - International Perspectives on Cyberspace

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Community & Public Health

Program Details

Simple Requisites

Community & Public Health Requirements
Type
Completion Requirement

Course requirements

-

Earn a minimum B of 3.0 in the following:

- PUBH501 - Community and Public Health
- PUBH502 - Cultural Diversity of Health
- NR514 - Epidemiology and Population Health
- PUBH550 - Public Health Practicum
- PUBH560 - Capstone

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Post Master's Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Public Health

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Synthesize strategies to identify stakeholders and build coalitions and partnerships to influence public health outcomes in a global context.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Illustrate how structural bias, social inequities, and racism undermine public health and create challenges to achieving health equity at organizational, community, and systemic levels.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Integrate clinical prevention and population health concepts in the development ofculturally relevant and linguistically appropriate health education, communication strategies, and interventions.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate a breadth of foundational knowledge including public health advocacy, understanding of community and organizational dynamics, critical and systems thinking, decision-making skills, use of research methods, and leadership in community and public health contexts.

Justification
-

Admission Criteria

- Transcript from Master's degree with cumulative GPA of 3.0 or better, from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.
- Letter of intent and letter of recommendation (deferred if a Norwich graduate).

- Prerequisite courses completed within the past five years and prior to enrolling in certificate courses (NR548 Advanced Pathophysiology, NR552 Advanced Pharmacology, NR553 Adv Physical Assessment).
- If English is not a student's first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
    - TOEFL – a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
    - IELTS – a minimum composite score of 6.5 is required.
    - The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English

Effective Nonprofit Management

Program Details

Simple Requisites

Effective Nonprofit Management Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- AD542 - Leading the Nonprofit Organization
- AD552 - Nonprofit Administration

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Energy Resilience & Emergency Response

Program Details

Simple Requisites

Energy Resilience & Emergency Response Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- AD586 - Public Leadership, Crisis Management, and Organizational Change
- GI554 - Computer Security Incident Response Team Management

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Create and apply Computer Security Incident Response Team Management (CSIRTM) membership criteria and team management principles to a specific organizational environment.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Identify best practices of leadership in the context of crisis management.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Apply a wide range of analytic skills and tools to provide public administrators policy-related information and options for decision-making in crisis situations.	**Justification** -

Admission Criteria
Participants should have some background in cybersecurity and principles of installation management.

A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Energy Resilience Leadership

Program Details

Simple Requisites

Energy Resilience Leadership Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- AD586 - Public Leadership, Crisis Management, and Organizational Change
- GI566 - Critical Infra. Protection

-

Program Delivery Online Program	**Degree Designation** Certificate Graduate	**Program Level** Graduate
Program Type Certificate	**College** College of Graduate & Continuing Studies	**School/Department(s)** Technology Programs

Name -	**Tags** -

Activity
-

Assessment
-

Outcome
Begin to analyze data and to craft plans to conduct and actively engage in resilient systems.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Lead crisis response in an energy-related risk environment.

Justification
-

Admission Criteria
Participants should have some background in cybersecurity and principles of installation management.

A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Nursing - Family Nurse Practitioner

Program Details

Simple Requisites

Family Nurse Practitioner Requirements (click here)
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- NR590 - Advanced Pharmacology - Population Focus: Family
- NR611 - Family Nurse Practitioner I - Adult
- NR612 - FNP-I Adult Clinical
- NR613 - Family Nurse Practitioner II (Older Adult)
- NR614 - FNP-II Older Adult Clinical
- NR615 - Family Nurse Practitioner III (Pediatrics
- NR616 - FNP-III Pediatrics Clinical
- NR617 - Family Nurse Practitioner IV-Reproductive Health
- NR618 - Family Nurse Practitioner IV Clinical-Reproductive Health

-

Admission Requirement (click here)
Type
Prerequisite

Advanced Nursing

-

Complete ALL of the following Courses:

- NR548 - Advanced Pathophysiology
- NR552 - Advanced Pharmacology
- NR553 - Advanced Physical Assessment

Completed within the last five years of program entry.

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Post Master's Certificate

College
College of Professional Schools

School/Department(s)
Nursing, School of

Admission Criteria

- Transcript from Master's degree with cumulative GPA of 3.0 or better
- If practicing/active NP, copy of current APRN certification (AANP or ANCC)
- Letter of intent
- Letter of recommendation (deferred if a Norwich graduate).
- Prerequisite courses completed within the past five years and prior to enrolling in certificate courses. NR548 Advanced Pathophysiology, NR552 Advanced Pharmacology, NR553 Adv Physical Assessment.

Global Health, Research & Practice

Program Details

Simple Requisites

Public Health Promotion & Epidemiology Requirements
Type
Completion Requirement

Course requirements

-

Earn a minimum B of 3.0 in the following:

- NR593 - Advanced Healthcare Professional Research and Evidence Based Practice
- PUBH520 - Global Health

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Public Health

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Identify major global health problems and the impact they have on individuals, populations, and cultures.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Examine the role of cultural norms on socioeconomic inequalities and health justice.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Integrate theory, evidence, clinical judgment, research, and inter-professional perspectives using translational processes to improve healthcare practice.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Apply a systems-thinking approach to promote global health sustainability.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Investigate the theoretical foundations of action research and appreciative inquiry and understand applications for evidence-based change processes.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Formulate the preliminary steps of a research proposal.

Justification
-

Admission Criteria
Completion of the Public Health Promotion & Epidemiology certificate.

A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

If English is not a student's first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:

- TOEFL – a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
- IELTS – a minimum composite score of 6.5 is required.
- The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English

Government Procurement and Contract Management

Program Details

Simple Requisites

Government Procurement & Contract Management Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- AD568 - Government Procurement and Contract Management
- AD578 - Government Contract Management

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Healthcare Advocacy & Leadership

Program Details

Simple Requisites

Healthcare Advocacy & Leadership Requirements
Type
Completion Requirement

Course requirements

-

Earn a minimum B of 3.0 in the following:

- NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role
- NR524 - Health Policy Advocacy and Economics in Healthcare

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Public Health

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Explain the interrelationships among access, quality and costs and the health of populations.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Explore health care policy formation at local, state, and national levels of government.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Differentiate how culture, systems thinking, examining organizational failures and performance improvement along a continuum can lead to innovative strategies for addressing threatening challenges in today's healthcare systems.

Justification
-

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Adopt leadership approaches effective for identifying strategies that drive change in complex health organizations.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Effectively lead and participate in positive health care organization practice change through analysis, innovation, effective inter-professional communication, and team building.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Develop and employ Health Advocacy tools for influencing health policy.	**Justification** -

Admission Criteria
Completion of the Public Health Foundations certificate.

A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

If English is not a student's first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:

- TOEFL – a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
- IELTS – a minimum composite score of 6.5 is required.
- The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English

Human Resources Leadership

Program Details

Simple Requisites

Human Resources Leadership Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- OL542 - Human Resources Leadership
- OL552 - Leveraging Human Capacity for Strategic Results

-

Program Delivery Online Program	**Degree Designation** Certificate Graduate	**Program Level** Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Investment Management Professional

Program Details

Simple Requisites

Investment Management Professional Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- GB522 - Managerial Finance
- GB555 - Investments and Portfolio Management

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Information Warfare

Program Details

Simple Requisites

Information Warfare
Type
Completion Requirement

Certificate Course Requirements

-

Earn a minimum B of 3.0 in the following:

- IWAR505 - Information Warfare: Theory and Practice
- IWAR510 - Information Warfare and Threat Analysis

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name	Tags
-	-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will track over time to find patterns for validation and improvement.

Outcome
Identify and explain the fundamental principles of Information Warfare as conceptualized by different countries.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will track over time to find patterns for validation and improvement.

Outcome
Evaluate and assess current IW threats and information capabilities from Russia, China, Iran, DPRK, and violent extremist organizations.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will track over time to find patterns for validation and improvement.

Outcome
Classify how and why weaponized information is used as part of modern influence campaigns.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will track over time to find patterns for validation and improvement.

Outcome
Construct accurate threat models through detailed characterization of an adversary's information capabilities.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will track over time to find patterns for validation and improvement.

Outcome
Evaluate vulnerabilities of social systems that an adversary could exploit through weaponized information.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assessment of assignments and discussion posts by instructors. Results will track over time to find patterns for validation and improvement.

Outcome
Develop strategies to counter IW threats using a multidisciplinary approach.

Justification
-

Admission Criteria
Undergraduate degree conferral and minimum GPA of 2.75.

For international students:

Official transcripts from international institutions must be evaluated by an approved third-party service provider to determine equivalency to a bachelor's degree from a regionally or nationally accredited U.S. institution, or equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran with the exception of official English-language transcripts from any Canadian institution approved by CICIC.

Submit an English proficiency assessment. If English is not your first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:

- TOEFL - a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
- IELTS – a minimum composite score of 6.5 is required.

Communications Design Media Arts

Program Details

Simple Requisites

Communications Design Media Arts (B.S.) Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Required Courses

-

Complete ALL of the following Courses:

- COMM109 - Media Technology and Culture
- COMM216 - Digital Media Production I
- COMM218 - Digital Media Productions II
- COMM318 - Media and Morality
  OR PH325 - Ethics of AI and Technology
- COMM320 - Strategic Media Communications
- FA221 - History of Visual Arts I: Prehistoric to 1350
- FA222 - History of Visual Arts II: 1350 to the Modern Era
- HUMA100 - Professional Pathways in the Liberal Arts
- HUMA400 - Internship
- HUMA402 - Humanities Capstone
- SA103 - Introduction to Drawing
  OR SA107 - Introduction to Photography
- SA104 - Introduction to Visual Design
- WRIT204 - Professional and Technical Writing

-

AND

Major Electives

An elective cannot be completed with the same core course.

Complete 3 or more course(s) and earn 9 or more credits from the following:

- COMM208 - The Nuwsroom
- COMM214 - Navigating the Digital World
- COMM261 - Interpersonal Communication
- COMM318 - Media and Morality
  OR PH325 - Ethics of AI and Technology
- CS100 - Foundations of Computer Science and Information Assurance
- CS142 - Introduction to Python Programming
  OR CYBR210 - Computer Programming with a High Level Language

- EN112 - Public Speaking
- MG224 - Principles of Entrepreneurship
- MG230 - Personal Financial Literacy
- SA103 - Introduction to Drawing
  OR SA107 - Introduction to Photography
- SA106 - Introduction to Printmaking
- WRIT254 - Sports Writing
- WRIT274 - Introduction to Creative Writing
- WRIT276 - Environmental Writing
- WRIT278 - Digital Storytelling

-

AND

Media Lab

-

Earn at least 3 credits from the following:

- COMM104 - Media Lab

-

AND

Writing

-

Complete at least 1 courses in the following course sets:

- Writing 205 to 499

-

-

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Global Humanities

Name
-

Tags
-

Activity
-

Assessment
Assignment for COMM 104

Outcome
Demonstrate the effective use of communication relevant to diverse audiences, purposes, and contexts

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Media Project

Outcome
Utilize visual design principles, digital tools, and/or storytelling techniques in the creation of media content

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Media project

Outcome
Use multimedia approaches to create effective messages via contemporary media and technology

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Capstone project

Outcome
Create accessible and ethical media content for diverse audiences

Justification
-

Admission Criteria
There is no additional criteria to declare this major.

Degree Map Name
Communications Design Media Arts Degree Plan
Degree Credits
124

Year	Term	Semester/Term Credits
Year 1	Fall	15

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- COMM109 - Media Technology and Culture

Semester/Term Credits 3

Requirement
- SA103 - Introduction to Drawing
  OR
- SA107 - Introduction to Photography

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- HUMA100 - Professional Pathways in the Liberal Arts

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring	15

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- SA104 - Introduction to Visual Design

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- Goal 2: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall	16

Requirement
- FA221 - History of Visual Arts I: Prehistoric to 1350

Semester/Term Credits 3

Requirement
- COMM216 - Digital Media Production I

Semester/Term Credits 3

Requirement
- WRIT204 - Professional and Technical Writing

Semester/Term Credits 3

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	Spring	15

Requirement
- FA222 - History of Visual Arts II: 1350 to the Modern Era

Semester/Term Credits 3

Requirement
- COMM218 - Digital Media Productions II

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall	16

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- COMM318 - Media and Morality
  OR
- PH325 - Ethics of AI and Technology

Semester/Term Credits 3

Requirement
- HUMA400 - Internship

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- COMM104 - Media Lab

Semester/Term Credits 1

Year	Term	Semester/Term Credits
Year 3	Spring	16

Requirement
- COMM320 - Strategic Media Communications

Semester/Term Credits 3

Requirement
- Major Elective (Generic)

Semester/Term Credits 3

Requirement
- COMM104 - Media Lab

Semester/Term Credits 1

Requirement
- Writing 205 to 499

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall	16

Requirement
- COMM104 - Media Lab

Semester/Term Credits 1

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring	15

Requirement
- HUMA402 - Humanities Capstone

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Military Studies - Aerospace

Program Details

Simple Requisites

Military Studies - Aerospace Requirements
Type
Completion Requirement

Concentration Requirements

-

Fulfill ALL of the following requirements:

Aerospace Studies

-

Complete at least 2 of the following courses:
- AS311 - Air Force Leadership Studies
- AS312 - Air Force Leadership Studies
- AS411 - National Security Affairs/Preparation for Active Duty
- AS412 - National Security Affairs/Preparation for Active Duty

-

AND

Additional ROTC Coursework

-

Earn at least 6 credits from the following:
- AS101 - The Foundations of the United States Air Force
- AS102 - The Foundations of the United States Air Force
- AS201 - The Evolution of USAF Air and Space Power
- AS202 - The Evolution of USAF Air and Space Power
- AS311 - Air Force Leadership Studies
- AS312 - Air Force Leadership Studies
- AS411 - National Security Affairs/Preparation for Active Duty
- AS412 - National Security Affairs/Preparation for Active Duty
- MS111 - Military Science I

- MS112 - Military Science I
- MS211 - Military Science II
- MS212 - Military Science II
- MS311 - Military Science III
- MS312 - Military Science III
- MS411 - Military Science IV
- MS412 - Military Science IV
- NS121 - Introduction to Naval Science
- NS122 - Sea Power and Maritime Affairs
- NS131 - Naval Science Laboratory
- NS221 - Leadership and Management
- NS222 - Navigation
- NS242 - Marine Corps Weapons Systems
- NS321 - Naval Ship Systems I
- NS342 - Small Unit Leadership Skills
- NS342L - Small Unit Leadership Skills Lab
- NS421 - Naval Operations and Seamanship
- NS422 - Leadership and Ethics
- NS435 - Fundamentals of Maneuver Warfare

-

AND

History/Political Science

-

Earn at least 3 credits from the following:

- HI214 - History of the Middle East
- HI235 - Military History I
- HI236 - Military History II
- HI326 - Nazi Germany and the Holocaust
- HI332 - The American Revolution
- HI338 - U.S. Diplomatic History, 1776-1914
- HI339 - U.S. Diplomatic History, 1914-present
- HI355 - Colloquium in Modern Military History (Inactive)
- HI372 - Military History of the United States I, 1775-1902
- HI373 - Military History of the United States II, 1902-Present
- PO305 - Geopolitics
- PO333 - American Foreign Policy
- PO412 - War and Peace (Inactive)
- PO415 - International Law

-

-

Program Delivery
Residential Program

Degree Designation
-

Program Level
Undergraduate

Program Type
Optional add on Concentration

College
College of National Services

School/Department(s)
Aerospace

Admission Criteria
There are no additional criteria to declare this concentration. Eligibility to enroll in ROTC courses required.

Military Studies - Army

Program Details

Simple Requisites

Military Studies - Army Requirements
Type
Completion Requirement

Concentration

-

Fulfill ALL of the following requirements:

Army Coursework

-

Complete at least 2 of the following courses:

- MS311 - Military Science III
- MS312 - Military Science III
- MS411 - Military Science IV
- MS412 - Military Science IV

-

AND

ROTC Courses

-

Earn at least 6 credits from the following:

- AS101 - The Foundations of the United States Air Force
- AS102 - The Foundations of the United States Air Force
- AS201 - The Evolution of USAF Air and Space Power
- AS202 - The Evolution of USAF Air and Space Power
- AS311 - Air Force Leadership Studies
- AS312 - Air Force Leadership Studies
- AS411 - National Security Affairs/Preparation for Active Duty
- AS412 - National Security Affairs/Preparation for Active Duty
- MS111 - Military Science I
- MS112 - Military Science I
- MS211 - Military Science II
- MS212 - Military Science II
- MS311 - Military Science III
- MS312 - Military Science III
- MS411 - Military Science IV
- MS412 - Military Science IV
- NS121 - Introduction to Naval Science
- NS122 - Sea Power and Maritime Affairs
- NS131 - Naval Science Laboratory
- NS221 - Leadership and Management
- NS222 - Navigation
- NS242 - Marine Corps Weapons Systems
- NS321 - Naval Ship Systems I
- NS342 - Small Unit Leadership Skills
- NS342L - Small Unit Leadership Skills Lab
- NS421 - Naval Operations and Seamanship
- NS422 - Leadership and Ethics
- NS435 - Fundamentals of Maneuver Warfare

-

-

Program Delivery
Residential Program

Degree Designation
-

Program Level
Undergraduate

Program Type
Optional add on Concentration

College
College of National Services

School/Department(s)
Military Science Army

Admission Criteria
-

Military Studies - Naval Science

Program Details

Simple Requisites

Military Studies - Naval Science Requirements
Type
Completion Requirement

Concentration

-

Fulfill ALL of the following requirements:

Naval Science

-

Complete at least 2 of the following courses:

- NS122 - Sea Power and Maritime Affairs
- NS221 - Leadership and Management
- NS222 - Navigation
- NS321 - Naval Ship Systems I
- NS322 - Naval Ship Systems II
- NS321 - Naval Ship Systems I

-

AND

ROTC Courses

-

Earn at least 6 credits from the following:

- AS101 - The Foundations of the United States Air Force
- AS102 - The Foundations of the United States Air Force
- AS201 - The Evolution of USAF Air and Space Power
- AS202 - The Evolution of USAF Air and Space Power
- AS311 - Air Force Leadership Studies
- AS312 - Air Force Leadership Studies
- AS411 - National Security Affairs/Preparation for Active Duty
- AS412 - National Security Affairs/Preparation for Active Duty
- MS111 - Military Science I
- MS112 - Military Science I
- MS211 - Military Science II
- MS212 - Military Science II
- MS311 - Military Science III
- MS312 - Military Science III
- MS411 - Military Science IV
- MS412 - Military Science IV
- NS121 - Introduction to Naval Science
- NS122 - Sea Power and Maritime Affairs
- NS131 - Naval Science Laboratory
- NS221 - Leadership and Management
- NS222 - Navigation
- NS242 - Marine Corps Weapons Systems
- NS321 - Naval Ship Systems I
- NS342 - Small Unit Leadership Skills
- NS342L - Small Unit Leadership Skills Lab
- NS421 - Naval Operations and Seamanship
- NS422 - Leadership and Ethics
- NS435 - Fundamentals of Maneuver Warfare

-

AND

History/Political Science

-

Earn at least 3 credits from the following:

- HI235 - Military History I
- HI236 - Military History II
- HI332 - The American Revolution
- HI338 - U.S. Diplomatic History, 1776-1914
- HI339 - U.S. Diplomatic History, 1914-present
- HI341 - U.S. Civil War Era, 1848-1877
- HI372 - Military History of the United States I, 1775-1902
- HI373 - Military History of the United States II, 1902-Present
- PO305 - Geopolitics
- PO333 - American Foreign Policy
- PO412 - War and Peace (Inactive)
- PO415 - International Law

-

-

Program Delivery
Residential Program

Degree Designation
-

Program Level
Undergraduate

Program Type
Optional add on Concentration

College
College of National Services

School/Department(s)
Naval Science

Admission Criteria
There are no additional criteria to declare this concentration. Eligibility to enroll in ROTC courses is required.

Nonprofit Healthcare Management

Program Details

Simple Requisites

Nonprofit Healthcare Management Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- AD542 - Leading the Nonprofit Organization
- AD582 - Healthcare Management

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Organizational Leadership

Program Details

Simple Requisites

Organizational Leadership Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- OL530 - Leading Change in Organizations
- OL550 - Strategic Organizational Behavior

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Pre-Health Certificate

Program Details

Simple Requisites

Pre-Health Certificate Requirements
Type
Completion Requirement

Course Requirements

-

Earn a minimum C of 2.0 in the following:

- BI215 - Human Anatomy & Physiology I
- BI216 - Human Anatomy & Physiology II
- BI220 - Introductory Microbiology
- MA232 - Elementary Statistics
- PY220 - Developmental Psychology

-

Additional Comments:
No more than two courses may be transferred to meet requirements.

Program Delivery
Online Program, Residential Program

Degree Designation
Certificate Undergraduate

Program Level
Undergraduate

Program Type
Certificate

College
College of Professional Schools

School/Department(s)
Nursing, School of

Admission Criteria
There are no additional program admission criteria above the institutional admission criteria. For this certificate, a student may transfer up to two (2) courses with a C, or higher.

Public Health Disaster Response & Crisis Management

Program Details

Simple Requisites

Public Health Disaster Response & Crisis Management Requirements
Type
Completion Requirement

Course requirements

-

Earn a minimum B of 3.0 in the following:

- PUBH530 - Disaster Planning
- PUBH540 - PH Crisis Management

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Public Health

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Investigate community vulnerability and impacts through development and implementation of response plans and critically analyze interdisciplinary response strategies for disaster preparedness and crisis response management.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Describe to specific communities or general populations the direct and indirect public health effects of major disasters or crises.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Identify constructs of disaster and public health emergency field operations and readiness and describe the legal and ethical aspects of global community disaster response and crisis management.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Analyze communication strategies during disasters or crises that increase trust among stakeholders.

Justification
-

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Evaluate organization dynamics, financial and infrastructure resources, and policy in design of comprehensive disaster preparedness and crisis management plans.	**Justification** -

Admission Criteria
Completion of the Global Health, Research & Practice.

A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

If English is not a student's first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:

- TOEFL – a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
- IELTS – a minimum composite score of 6.5 is required.
- The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English

Public Health Foundations

Program Details

Simple Requisites

Public Health Foundations Requirements
Type
Completion Requirement

Course requirements

-

Earn a minimum B of 3.0 in the following:

- PUBH501 - Community and Public Health
- PUBH502 - Cultural Diversity of Health

-

Program Delivery	**Degree Designation**	**Program Level**
Online Program	Certificate Graduate	Graduate
Program Type	**College**	**School/Department(s)**
Certificate	College of Graduate & Continuing Studies	Public Health

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Explain public health history, philosophy, core functions, and the ten essential services.	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	-

Outcome
Describe the major causes and trends of morbidity and mortality in the U.S. and other global communities, especially in areas the U.S. military and government are providing assistance.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Examine strategies for advocacy, protection, and promotion of the public's health at all levels of society and across all cultural contexts.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Examine the ecological perspectives on the connections among human health, animal health, and ecosystem health.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Synthesize strategies to identify stakeholders and build coalitions and partnerships to influence public health outcomes in a global context.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Illustrate how structural bias, social inequities, and racism undermine public health and create challenges to achieving health equity at organizational, community, and systemic levels.

Justification
-

Admission Criteria
A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

If English is not a student's first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:

- TOEFL – a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
- IELTS – a minimum composite score of 6.5 is required.
- The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English

Public Health Promotion & Epidemiology

Program Details

Simple Requisites

Public Health Promotion & Epidemiology Requirements
Type
Completion Requirement

Course requirements

-

Earn a minimum B of 3.0 in the following:

- PUBH503 - Health Communication
- NR514 - Epidemiology and Population Health

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Public Health

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Describe the importance of cultural competence in communicating public health content and communicate audience-appropriate public health content, both in writing and through oral presentation.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Compare population needs, assets, and capacities that affect communities' health and apply awareness of cultural values and practices to the design, implementation, or critique of public health policies or programs.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Integrate clinical prevention and population health concepts in the development of culturally relevant and linguistically appropriate health education, communication strategies, and interventions.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Admission Criteria

A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

If English is not a student's first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:

- TOEFL – a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.
- IELTS – a minimum composite score of 6.5 is required.
- The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English

Project Management

Program Details

Simple Requisites

Project Management
Type
Completion Requirement

Certificate Courses

-

Complete ALL of the following Courses:

- GB544 - Project Management Techniques, Tools and Practices
- GB554 - Project Management Leadership, Communications and Teams

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Name
-

Tags
-

Activity
-

Assessment
Testing

Outcome
Demonstrate the ability to analyze real-world problems through application of technical knowledge.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Testingv

Outcome
Demonstrate the ability to work professionally in team environments to successfully address questions of information security management.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Testing

Outcome
Demonstrate the ability to communicate effectively. Students will demonstrate an understanding of professional life and will recognize the need for professionals and citizens in an evolving global society to pursue a course of life-long learning. **Justification** -

Admission Criteria
Students who do not have a degree in Computer Science, Information Technology, or Cybersecurity need to demonstrate that they have a baseline knowledge in the following areas:

- Computer Networking
- Computer Science/Cybersecurity
- Linux operating system
- Scripting and Programming
- Microsoft Operating Systems
- Database systems (SQL)

This knowledge can be achieved through college credit, industry training, industry certification, or professional experience.

A bachelor's degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

- Undergraduate GPA of 2.75 or higher

Nursing - Psychiatric Mental Health Nurse Practitioner

Program Details

Simple Requisites

Psychiatric Mental Health Nurse Practitioner Requirements (click here)
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- NR592 - Advanced Pharmacology Population Focus PMHNP
- NR631 - Psychiatric and Mental Health I
- NR632 - Psychiatric and Mental Health Clinical I
- NR633 - Psychiatric and Mental Health II
- NR634 - Psychiatric and Mental Health Clinical II
- NR635 - Psychiatric and Mental Health NP III
- NR636 - Psychiatric and Mental Health Clinical III
- NR637 - Psychiatric and Mental Health NP IV
- NR638 - Psychiatric and Mental Health Clinical IV

-

Admission Requirement (click here)
Type
Prerequisite

Advanced Nursing

-

Complete ALL of the following Courses:

- NR548 - Advanced Pathophysiology
- NR552 - Advanced Pharmacology
- NR553 - Advanced Physical Assessment

Completed within the last five years of program entry.

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Post Master's Certificate

College
College of Professional Schools

School/Department(s)
Nursing, School of

Admission Criteria

- Hold a current, unencumbered RN license in your state of practice
- Hold a Master of Science in Nursing degree from a Commission on Collegiate Nursing Education (CCNE) or Accreditation Commission for Education in Nursing (ACEN) nationally accredited program with a GPA of 3.0 or better required.
- Prerequisite courses completed within the past five years and prior to enrolling in certificate courses. NR548 Advanced Pathophysiology, NR552 Advanced Pharmacology, NR553 Adv Physical Assessment.
- Letter of intent and letter of recommendation (deferred if Norwich graduate)

Public Sector Leadership & Crisis Management

Program Details

Simple Requisites

Public Section Leadership & Crisis Management Certificate Requirements
Type
Completion Requirement

Course Requirements

-

Earn a minimum B of 3.0 in the following:

- OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership
- AD586 - Public Leadership, Crisis Management, and Organizational Change

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Business & Management Programs

Name
-

Tags
-

Activity
-

Assessment
Assignments & Discussions

Outcome
Evaluate personal leadership strengths and expertise.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assignments & Discussions

Outcome
Create strategies to cultivate staff retention, productivity, and time-management capabilities, as well as address challenges with stakeholder relationships.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Assignments & Discussions

Outcome	Justification
Explain the cultural dynamics of human and social capital needs in the public sector.	-

Name -	**Tags** -
Activity -	**Assessment** Assignments & Discussions
Outcome Identify best practices of leadership in the context of crisis management.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Assignments & Discussions
Outcome Incorporate analytic skills and tools to provide public administrators with policy-related information and options for crisis decision-making.	**Justification** -

Admission Criteria

- Bachelor's degree from an accredited institution.
- Proof of English language proficiency if applicable.

Intelligence & National Security

Program Details

Simple Requisites

Intelligence & National Security Requirements
Type
Completion Requirement

Certificate Requirements

-

Complete ALL of the following Courses:

- IR531 - National Security
- IR541 - Intel & Natl Security Policy

-

Program Delivery Online Program	**Degree Designation** Certificate Graduate	**Program Level** Graduate
Program Type Certificate	**College** College of Graduate & Continuing Studies	**School/Department(s)** Public & International Affairs

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Evaluate various national security issues	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	**Justification**
Correlate historical, political and/or economic origins of security threats	-

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Employ theories and methodological skills to clarify complex issues in national security	**Justification** -

Admission Criteria

- A minimum of an awarded bachelor's degree from an accredited undergraduate institutions
- A score of 550 or higher on the TOEFL (or equivalent on the computer-based version) for students whose primary language is not English
- Personal statement outlining career objectives, and suitability for graduate study and online study, and reasons for undertaking graduate work
- Résumé or curriculum vitae

Response Planning for Health, Wellness & Disease Prevention

Program Details

Simple Requisites

Response Planning for Health, Wellness & Disease Prevention Requirements
Type
Completion Requirement

Certificate Requirements

-

Complete ALL of the following Courses:

- PUBH410 - Health, Wellness and Disease Prevention I
- PUBH411 - Health, Wellness and Disease Prevention II
- PUBH420 - Disaster Response Planning and Crisis Management I
- PUBH421 - Disaster Response Planning and Crisis Management II

-

Program Delivery	Degree Designation	Program Level
Online Program	Certificate Undergraduate	Undergraduate
Program Type	**College**	**School/Department(s)**
Certificate	College of Graduate & Continuing Studies	Public Health

Name	Tags
-	-
Activity	**Assessment**
-	-

Outcome
Describe the phases of disaster planning, the core requirements/ components, and steps.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate use of theories, models, programs, strategies and applications to promote health and prevent disease.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Discuss modifiable risk behaviors and programs to address determinants of health.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Compare and contrast the various governmental and non-governmental organizations roles, responsibilities, responses, and management of respective domestic and global disasters, including home, public and work-place safety.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Discuss mitigation strategies to reduce vulnerability to humans, nature/ environment, communities, and organizations.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Evaluate strategies to influence disaster planning and crisis management policy, public health policy, financial resourcing, and programming.

Justification
-

Admission Criteria
A Bachelor of Public Health degree from an accredited institution recognized by the U.S. Department of Education, or an equivalent degree from a foreign institution, as evaluated by WES, IERF, SpanTran, or CED.

- Undergraduate GPA of 2.5 or higher.
    - If English is not a student's first language, proof of English language proficiency is required. This can be demonstrated in one of three ways:
        - TOEFL – a minimum score of 550 (paper-based test) or 80 (Internet-based test) is required.

- IELTS – a minimum composite score of 6.5 is required.
- The applicant holds a baccalaureate or master's degree from a college/university/institution in which the primary language of instruction was English.

All eligibility requirements are expected to be met unless noted in specific articulation agreements or memoranda of understanding (MOUs).

Teaching and Learning

Program Details

Simple Requisites

Teaching and Learning Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- ED570 - Teaching and Learning I
- ED571 - Teaching and Learning II

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Teaching & Learning Programs

Admission Criteria
A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

A background in teaching is recommended.

Tactical Performance & Resilience

Program Details

Simple Requisites

Tactical Performance & Resilience Program Requirements
Type
Completion Requirement

Certificate Requirements

-

Earn a minimum C of 2.0 in the following:

- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR105 - Fundamentals of Tactical Nutrition
- HHPR202 - Applications in Exercise Science
- HHPR307 - Applications in Tactical Strength and Conditioning

-

Program Delivery
Online Program

Degree Designation
Certificate Undergraduate

Program Level
Undergraduate

Program Type
Certificate

College
College of Arts & Sciences

School/Department(s)
Health and Human Performance

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Identify the (a) interdisciplinary nature of the study of tactical athlete health and performance, (b) professional ethical issues and concerns within the field, and (c) diversity of issues on such topics as differences among job task requirements and risks, gender, and lifespan development.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Describe major coaching theories in the areas of motivation, attention, exercise adherence, athletic injury, and training group dynamics.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Evaluate tactical athletes' (i.e. law enforcement, military, and rescue professions) unique health needs, occupational training strategies, and available programming, education, and services.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Design cardiovascular and resistance testing training programs for tactical athletes.	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Instruct a variety of cardiovascular and resistance training exercise techniques specific to the needs of tactical athletes.	**Justification** -

Admission Criteria

- High School Diploma or equivalent.
- Proof of English language proficiency if applicable.

U.S. Constitutional Studies

Program Details

Simple Requisites

U.S. Constitutional Studies
Type
Completion Requirement

Concentration Requirements

-

Fulfill ALL of the following requirements:

Select One Course

-

Complete at least 1 of the following courses:

- PO105 - American Politics
- HIST210 - History of US Constitution

-

AND

Select One Option, Major Dependent

-

Fulfill ANY of the following requirements:

History Major Electives

-

Complete at least 2 of the following courses:

- CJ212 - Criminal Law
- PO330 - American Citizenship
- PO321 - U.S. Constitutional Law
- PO324 - Civil Liberties
- HIST348 - America's Wars as Constitutional Crises

-

OR

Political Science Major Electives

-

Complete at least 2 of the following courses:

- HI121 - American History Survey I
- CJ212 - Criminal Law
- HIST348 - America's Wars as Constitutional Crises
- HI332 - The American Revolution

-

OR

Electives for all other majors

-

Complete at least 2 of the following courses:

- CJ212 - Criminal Law
- PO330 - American Citizenship
- PO321 - U.S. Constitutional Law
- PO324 - Civil Liberties
- HI121 - American History Survey I
- HI332 - The American Revolution
- HIST348 - America's Wars as Constitutional Crises

-

Students must take at least one course outside their major requirements.

For students in online programs, online 16-week classes are available, such as PO321 and PO324.

Program Delivery
Hybrid Program

Degree Designation
-

Program Level
Undergraduate

Program Type
Optional add on Concentration

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
Exams/Essay Assignments/Research Papers

Outcome
Students will be able to evaluate primary source documents and scholarly interpretations to analyze the historical context and philosophical foundations of the U.S. Constitution.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Exams/Essay Assignments/Research Papers

Outcome
Students will assess the evolution of constitutional principles and their impact on American society, politics, and law.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Exams/Essay Assignments/Research Papers

Outcome
Students will apply constitutional principles to analyze and propose solutions to contemporary legal and political challenges.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Exams/Essay Assignments/Research Papers

Outcome
Students will critically evaluate competing interpretations of constitutional law and theory, considering historical context, precedent, and jurisprudential reasoning.

Justification
-

Admission Criteria
The concentration is open to all undergraduate Norwich University students.

Vulnerability Management

Program Details

Simple Requisites

Vulnerability Management Requirements
Type

Completion Requirement

Certificate Requirements

-

Earn a minimum B of 3.0 in the following:

- GI562 - Vulnerability Management and Penetration Testing I
- GI563 - Vulnerability Management II

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Technology Programs

Admission Criteria
An understanding of the Microsoft Windows operating systems and a background in systems administration is helpful, but not required.

A bachelor's degree in any discipline from an accredited institution recognized by the U.S. Department of Education or an equivalent degree from a foreign institution, as evaluated by WES, IERF, or SpanTran.

Accounting Minor

Program Details

Simple Requisites

Accounting Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Accounting

-

Complete ALL of the following Courses:

- AC205 - Principles of Accounting-Financial
- AC206 - Principles of Accounting-Managerial
- AC335 - Intermediate Accounting I
- AC336 - Intermediate Accounting II

-

AND

Upper-level Accounting Courses

-

Complete at least 2 of the following courses:

- AC400 - Data Analytics for Accountants
- AC419 - Taxation I
- AC420 - Advanced Federal Income Tax
- AC428 - Auditing
- AC430 - Governmental and Not-for-Profit Accounting
- AC441 - Cost Accounting
- AC442 - Advanced Accounting

-

An Accounting major is ineligible to declare the minor. A cumulative GPA in required courses must be a 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Business, School of

Admission Criteria
-

Art History Minor

Program Details

Simple Requisites

Art History Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Visual Arts

-

Complete ALL of the following Courses:

- FA201 - History/Theory of Architecture I
  OR FA221 - History of Visual Arts I: Prehistoric to 1350
- FA222 - History of Visual Arts II: 1350 to the Modern Era
- SA103 - Introduction to Drawing
  OR SA104 - Introduction to Visual Design

-

AND

Topics Course

-

Complete at least 2 of the following courses:

- FA250 - Topics in Art

Each course must be a different topic.

AND

Fine Arts Pick List

-

Complete at least 1 courses in the following course sets:

- Fine Arts 100-499

Excluding FA201 History/Theory Architecture I, FA221 The History of Visual Arts I.

-

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Architecture & Art

Admission Criteria
-

Architecture Minor

Program Details

Simple Requisites

Architecture Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Architecture Foundation

-

Complete ALL of the following Courses:

- AP111 - Fundamentals of Architecture
- AP118 - Fundamentals of Architecture II
- FA201 - History/Theory of Architecture I
- FA202 - History/Theory of Architecture II

-

AND

Architecture Elective

-

Complete at least 2 courses in the following course sets:

- Architecture 100-499

-

-

Additional Comments:
An Architectural Studies major is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Architecture & Art

Admission Criteria
-

Art Minor

Program Details

Simple Requisites

Art Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Art Appreciation

-

Complete ALL of the following Courses:

- FA222 - History of Visual Arts II: 1350 to the Modern Era

-

AND

Fine Arts

-

Complete at least 1 courses in the following course sets:

- Fine Arts 100-499

-

AND

200-Level Studio Art

-

Complete at least 1 courses in the following course sets:

- Studio Art 200-299

-

AND

Student Art Elective

-

Complete at least 3 courses in the following course sets:

- Studio Art 100-499

-

-

Additional Comments:
A Design Art major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Architecture & Art

Admission Criteria
-

Asian Studies Minor

Program Details

Simple Requisites

Asian Studies Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

East Asia

-

Complete at least 1 of the following courses:

- HI211 - Early East Asian Civilizations

-

AND

Cultural and Historical Studies

-

Complete at least 3 of the following courses:

- CN205 - Intermediate Chinese I
  AND CN206 - Intermediate Chinese II
- CN301 - Advanced Chinese I
  AND CN302 - Advanced Chinese II
- CN321 - Chinese Literature, Culture and Society I 1911-1949 (Inactive)
  AND CN322 - Chinese Literature, Culture and Society II 1949-Present (Inactive)
- HI315 - Modern China
- HI317 - Modern Japan
- HI319 - Colloquium in Chinese History (Inactive)

The following topics classes may be taken with the permission of the chair FA250 Topics in Art: History, HI362 Topics in Pre-Modern History, or HI363 Topics in Non-Western History.

AND

Political, Economic, Sociology

-

Complete at least 2 of the following courses:

- IN350 - Topics in International Studies
- PO348 - Asian Politics

The following topics classes may be taken with the permission of the chair PO301 Special Topics: International, PO320 Topics in Area Studies, or SO300 Topics in Sociology.

-

Additional Comments:
A student majoring in History, International Studies, Political Science, or Studies in War & Peace may use no more than two courses to apply to this minor and the major.

A student minoring in Chinese may take only one (1) Chinese language class to satisfy the three (3) course requirements for the Cultural and Historical Studies category.

A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Admission Criteria
-

Biology Minor

Program Details

Simple Requisites

Biology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Introductory Biology

-

Complete ALL of the following Courses:

- BI101 - Principles of Biology I
- BI102 - Principles of Biology II

-

AND

Upper-level Biology

-

Complete at least 4 courses in the following course sets:

- Biology 200-499

-

-

Additional Comments:
A Biology major is ineligible to declare a Biology minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Biology

Admission Criteria
-

Business Administration Minor

Program Details

Simple Requisites

Business Administration Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Earn a minimum C of 2.0 in the following:

- EC202 - Principles of Economics (Micro)
- MG101 - Introduction to Business
- MG227 - Principles of Marketing

-

AND

Business Courses

-

Complete ALL of the following Courses:

- AC201 - Introduction to Accounting and Financial World
  OR AC205 - Principles of Accounting-Financial
- MG309 - Management of Organizations
  OR MG341 - Business Law I
- AC206 - Principles of Accounting-Managerial
  OR CS120 - Business Applications & Problem Solving Techniques
  OR EC106 - The Structure and Operation of the World Economy
  OR EC201 - Principles of Economics (Macro)
  OR FN200 - Fundamentals of Finance
  OR FN311 - Corporate Finance
  OR MG314 - Marketing Management
  OR MG309 - Management of Organizations
  OR MG341 - Business Law I
  OR MG351 - Organizational Behavior
  OR MG408 - Human Resources Management

-

A student with a major in Accounting, International Business, or Management is ineligible to declare the minor. A cumulative GPA of 2.0 is required.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Business, School of

Admission Criteria
-

Computer Crime & Forensics Minor

Program Details

Simple Requisites

Computer Crime & Forensics Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Computer science

-

Complete ALL of the following Courses:

- CJ101 - Introduction to Criminal Justice
- CS100 - Foundations of Computer Science and Information Assurance
- CJ214 - Criminal Procedure

CS100 has an optional waiver exam.

AND

Information Assurance

-

Complete at least 1 of the following courses:

- IA241 - Cyberlaw and Cybercrime
- IA340 - Introduction to Information Assurance

-

AND

Forensics

-

Complete at least 1 of the following courses:

- CH100 - Introduction to Forensic Science
- DF242 - Computer Forensics I
- DF395 - Cyber Criminalistics
- PY234 - Forensic Psychology

-

AND

Criminology or Criminal Justice Elective

-

Complete at least 1 of the following courses:

- CJ318 - Transnational Crime
- CJ423 - Evidence
- CJ430 - Homeland Security
- CRIM330 - Terrorism
- CRIM444 - Crime Analysis and Mapping

-

AND

Criminal Justice/Criminology Course

-

Complete at least 1 of the following courses:

- CJ318 - Transnational Crime
- CJ423 - Evidence
- CJ430 - Homeland Security
- CRIM330 - Terrorism
- CRIM444 - Crime Analysis and Mapping

-

AND

Minor Elective

-

Complete at least 1 of the following courses:

- CJ318 - Transnational Crime
- CJ423 - Evidence
- CJ430 - Homeland Security
- CRIM330 - Terrorism
- CRIM444 - Crime Analysis and Mapping
- PY344 - Cognition

The elective must be selected from a course(s) not already taken in the minor.

-

Additional Comments:
A Computer Science & Information Assurance major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery	Degree Designation	Program Level
Residential Program	Undergraduate Minor	Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Cybersecurity & Advanced Computing, School of, Criminology & Criminal Justice, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Use of the fundamental concepts and terminology regarding computers, computer security, and information assurance;

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Application of the essential cybercrime and digital forensic concepts, techniques and procedures;

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Ability to recognize, define, and use, the technical terminology of information assurance (IA);

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Application of the fundamentals of information assurance in both personal and organizational contexts;

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
A breadth of knowledge and the ability to apply it regarding cyberlaw and cybercrime, including: identifying and classifying cybercrimes; the motivations of cybercriminals; seizure and handling of digital evidence; admissibility of digital incident evidence; preparing and delivering professional testimony; and, the key regulations and laws regarding cybercrimes of varying types and jurisdictions

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome	Justification
High ethical, personal and professional standards, especially in regards to information assurance and its impact on individuals, organizations, and society	-

Admission Criteria
-

Chemistry Minor

Program Details

Simple Requisites

Chemistry Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Introductory Chemistry

-

Complete at least 2 courses in the following course sets:

- Chemistry 100-499

-

AND

Upper-level Chemistry

-

Complete at least 4 courses in the following course sets:

- Chemistry 200-499

-

-

Additional Comments:
A Chemistry or Biochemistry major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Chemistry & Biochemistry

Admission Criteria
-

Chinese Minor

Program Details

Simple Requisites

Chinese Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Intermediate Chinese

-

Complete ALL of the following Courses:

- CN205 - Intermediate Chinese I
- CN206 - Intermediate Chinese II

-

AND

Upper-Level Chinese Courses

-

Earn at least 9 credits from the following:

- Chinese 250-499

Students who place into the advanced level of Chinese on the foreign language placement test (FLPT) can waive the intermediate level courses and complete the minor with 9 credits in Chinese (CN 250-499).

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Global Humanities

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Reach intermediate-low to intermediate-mid proficiency in the areas of listening, speaking, reading, and writing

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate an extensive understanding of Chinese values and beliefs

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Use critical skills to analyze Chinese cultural materials

Justification
-

Admission Criteria
-

Information Warfare

Program Details

Simple Requisites

Information Warfare Minor Requirements
Type
Completion Requirement

Course Requirements

-

Fulfill ALL of the following requirements:

Information Warfare Foundation

-

Complete ALL of the following Courses:

- IWAR320 - Social Media Based Influence Operations
- IWAR325 - Information Warfare-Cyberspace Operations
- IWAR328 - Information Warfare and Threat Analysis

-

AND

Cultural and Historical Context

-

Complete at least 2 of the following courses:

- COMM214 - Navigating the Digital World
- EN222 - Introduction to World Literatures
- HI214 - History of the Middle East
- PY236 - Cross-Cultural Psychology
- PY238 - Political Psychology
- SO212 - Cultural Anthropology
- SO218 - Intro to Cultural Competence

One course in Chinese 100-499, French 100-499, German 100-499, or Spanish 100-499, or an approved study abroad experience may also fulfill the requirement. A transfer course meeting a Modern Language may also be used.

AND

Methodology Elective

-

Complete at least 1 of the following courses:

- CH100 - Introduction to Forensic Science
- CRIM209 - Methods of Social Science Research
- PY313 - Experimental Psychology I
- PO220 - Research Methods
- SCIE202 - Science, Technology and Procedures in Forensic Investigations

-

AND

Intelligence Elective

-

Complete at least 1 of the following courses:

- CRIM302 - Crime and Law Enforcement Intelligence
- CRIM444 - Crime Analysis and Mapping
- CJ300 - Topics in Criminal Justice
- CRIM200 - Fundamentals of Intelligence

CJ 300: Title "Spatial Intelligence"

-

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Cybersecurity & Advanced Computing, School of

Name
-

Tags
-

Activity
-

Assessment
Program already approved

Outcome
Introduce the student to the basic concepts of information operations and information warfare in the context of psychological strategy

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Program already approved

Outcome
Develop an understanding of the use of information as a tool of statecraft and as a weapon of war

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Program already approved

Outcome
Analyze internal and external strengths and weaknesses of this domain

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Program already approved

Outcome
Demonstrate intercultural knowledge and its application in this context.

Justification
-

Admission Criteria
There is no additional admission requirements in this minor.

Criminal Justice Minor

Program Details

Simple Requisites

Criminal Justice Minor Requirements

Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CJ101 - Introduction to Criminal Justice
- CJ308 - The Police
- CJ310 - The Courts
- CJ312 - Corrections

-

AND

Upper-level Criminal Justice

-

Complete at least 2 courses in the following course sets:

- Criminal Justice 300-499

-

-

Additional Comments:
A Criminal Justice major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Admission Criteria
-

Intelligence & Crime Analysis Minor

Program Details

Simple Requisites

Intelligence & Crime Analysis Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CRIM200 - Fundamentals of Intelligence
- CRIM302 - Crime and Law Enforcement Intelligence
- CRIM444 - Crime Analysis and Mapping

-

AND

Cultural & Historical Context

-

Complete at least 1 of the following courses:

- CS323 - Surveillance and Privacy in Germany
- HI214 - History of the Middle East
- HI339 - U.S. Diplomatic History, 1914-present
- PO202 - Introduction to Comparative Politics
- PO324 - Civil Liberties
- SO212 - Cultural Anthropology
- SO218 - Intro to Cultural Competence

-

AND

Science & Technology

-

Complete at least 1 of the following courses:

- CH115 - Chemistry of Weapons of Mass Destruction
- DF395 - Cyber Criminalistics
- ES115 - Geographic Information Systems
- IA241 - Cyberlaw and Cybercrime
- IA340 - Introduction to Information Assurance
- CYBR442 - Foundations in Computer Forensics

-

AND

Social & Behavioral Science

-

Complete at least 1 of the following courses:

- CRIM330 - Terrorism
- CJ430 - Homeland Security
- PO215 - International Relations
- PY236 - Cross-Cultural Psychology
- PY238 - Political Psychology
- PY344 - Cognition

-

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand the definition of intelligence, its history as a discipline in military and civilian contexts, the structure of the United States Intelligence Community, and the importance of civil liberties and intelligence oversight mechanisms.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate an ability to apply key intelligence collection disciplines – particularly Human Intelligence (HUMINT), Signals Intelligence (SIGINT), Geospatial Intelligence (GEOINT), and Open-Source Intelligence (OSINT) – to appropriate problem sets.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate basic proficiency in structured analytical techniques, as well as effective oral and written communication.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate basic proficiency in at least two analytical applications used in intelligence work (e.g., ArcGIS and IBM i2 Analyst's Notebook).

Justification
-

Admission Criteria
-

Communications Minor

Program Details

Simple Requisites

Communications Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- COMM109 - Media Technology and Culture
- COMM207 - Journalism in Democracy

-

AND

Upper-level Communications

-

Complete at least 4 courses in the following course sets:

- Communication 208-400

-

-

Additional Comments:
A Communications major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Global Humanities

Admission Criteria
-

Coaching Minor

Program Details

Simple Requisites

Coaching Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Courses

-

Complete ALL of the following Courses:

- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR205 - Exercise and Sport Psychology
- HHPR355 - Coaching Leadership in Sports
- HHPR432 - Organization and Administration in Physical Education

-

AND

Course Electives by Major

-

Fulfill ANY of the following requirements:

Coaching Electives for non Physical Education and Exercise Science majors

-

Complete at least 2 of the following courses:

- HHPR202 - Applications in Exercise Science
- HHPR223 - Motor Skills Development

- HHPR224 - Motor Skills Development II
- HHPR307 - Applications in Tactical Strength and Conditioning
- PY210 - Psychology of Leadership
- PY240 - Introduction to Social Psychology

-

OR

Coaching Electives for Physical Education Majors

-

Complete at least 2 of the following courses:

- HHPR202 - Applications in Exercise Science
- HHPR307 - Applications in Tactical Strength and Conditioning
- PY210 - Psychology of Leadership

-

OR

Coaching Electives for Exercise Science Majors

-

Complete at least 2 of the following courses:

- HHPR223 - Motor Skills Development
- HHPR224 - Motor Skills Development II
- PY210 - Psychology of Leadership

-

-

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Health and Human Performance

Admission Criteria
N/A

Construction Management Minor

Program Details

Simple Requisites

Construction Management Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete at least 4 of the following courses:

- EG350 - Engineering Economics and Decision Analysis
- CE460 - Construction Management
- EGCM210 - Building Information Modeling and Integrated Practices
- EGCM220 - Advanced Project Estimating
- EGCM320 - Construction Productivity
- EGCM322 - Construction Safety
- EGCM324 - Special Construction Systems
- EGCM401 - Pre-Construction Mgt
- EGCM461 - Project Management

-

AND

Select Pathway

-

Fulfill ANY of the following requirements:

Architecture

-

Complete at least 2 of the following courses:

- AP211 - Architectural Design I
- AP212 - Architectural Design II
- AP221 - Site Development and Design
- AP244 - Building Resilience: Social and Environmental Justice in our Built Environment
- AP225 - Introduction to Passive Environmental Systems
- AP311 - Architectural Design III
- AP312 - Architectural Design IV
- AP325 - Materials, Construction, and Design
- AP411 - Architectural Design V
- AP412 - Architectural Design VI

-

OR

Civil Engineering

-

Complete at least 2 of the following courses:

- CE211 - Surveying
- CE214 - Site Development and Engineering
- CE328 - Soil Mechanics
- CE332 - Engineering Hydrology
- CE336 - Introduction to Transportation Engineering
- CE348 - Structural Analysis
- CE419 - Foundation Engineering
- CE421 - Environmental Engineering
- CE422 - Waste and Water Treatment
- CE442 - Design of Steel Structures
- CE444 - Reinforced Concrete Design

-

-

-

Additional Comments:
A Construction Management major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery	Degree Designation	Program Level
Residential Program	Undergraduate Minor	Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Engineering, School of

Admission Criteria
-

Environmental Criminology

Program Details

Simple Requisites

Environmental Criminology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CRIM101 - Introduction to Criminology
- CRIM300 - Environmental Crime
- ES130 - Introduction to Environmental Law

-

AND

Science Courses

-

Complete at least 2 of the following courses:

- BI205 - Ecology
- BI399 - Pilot Course in Biology
- ES115 - Geographic Information Systems
- ES268 - Freshwater Ecosystems
- GL110 - Introduction to Geology
- GL111 - Oceanography
- GL253 - Geomorphology
- GL261 - Field Geology

-

AND

Select Pathway

-

Fulfill ANY of the following requirements:

Criminology Majors

-

Complete at least 1 of the following courses:

- AP225 - Introduction to Passive Environmental Systems
- AP244 - Building Resilience: Social and Environmental Justice in our Built Environment
- AP325 - Materials, Construction, and Design
- PH323 - Environmental Ethics
- PO305 - Geopolitics
- PO415 - International Law

- PY350 - Environmental Psychology
- WRIT276 - Environmental Writing

-

OR

All Other Majors

-

Complete at least 1 of the following courses:

- AP225 - Introduction to Passive Environmental Systems
- AP244 - Building Resilience: Social and Environmental Justice in our Built Environment
- AP325 - Materials, Construction, and Design
- CRIM444 - Crime Analysis and Mapping
- EN276 - Environmental Writing (Inactive)
- PH323 - Environmental Ethics
- PO305 - Geopolitics
- PO415 - International Law
- PY350 - Environmental Psychology

-

-

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Explain the relationship between research, theory and application with respect to environmental crimes.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Compare major theories related to environmental criminology, including (but not limited to) routine activities, rational choice, and environmental factors.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Differentiate major patterns, explanations, and interventions with respect to types of environmental crime, as well as environmental crimes occurring in different settings and contexts.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
N/A

Outcome
Assess the types of prevention and intervention used by criminal justice, ecological, and public health systems.

Justification
-

Admission Criteria
N/A

Criminology Minor

Program Details

Simple Requisites

Criminology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CRIM101 - Introduction to Criminology
- CRIM209 - Methods of Social Science Research
  OR PY313 - Experimental Psychology I
- CRIM316 - Criminal Violence

-

AND

Upper-level Criminology

-

Complete at least 2 courses in the following course sets:

- Criminology 300-499

-

AND

Support Courses

-

Complete at least 1 of the following courses:

- PY212 - Abnormal Psychology
- PY234 - Forensic Psychology
- PY314 - Experimental Psychology II (Inactive)

- PY344 - Cognition
- SO201 - Introduction to Sociology
- SO202 - Problems of Modern Society
- SO325 - Deviance

-

-

Additional Comments:
A Criminology Major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Admission Criteria
-

Computer Science Minor

Program Details

Simple Requisites

Computer Science Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CS140 - Programming and Computing
- CS228 - Introduction to Data Structures
- EE215 - Fundamentals of Digital Design
- MA306 - Discrete Mathematics

-

AND

Support Courses

-

Complete at least 2 of the following courses:

- CS212 - Assembly Language & Reverse Engineering (Inactive)
- CS240 - Database Management
- CS250 - Virtual Systems Administration
- CS260 - Data Communications and Networks
- CS270 - Operating Systems & Parallelism
- CS301 - Software Engineering

-

-

Additional Comments:
A Computer Science or Computer Security & Information Assurance major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Cybersecurity & Advanced Computing, School of

Admission Criteria
-

Civic Engagement Minor

Program Details

Simple Requisites

Civic Engagement Minor Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Foundation Course

-

Complete ALL of the following Courses:

- LEAD111 - Foundations of Leadership

An approved Internship in Non-Profit Government Agency or Approved Experience is also required.

AND

Modern Historical Foundation/Context

-

Complete at least 1 of the following courses:

- HI108 - The History of Civilization II
- HI122 - American History Survey II
- HI214 - History of the Middle East

-

AND

Principles of American Citizenship

-

Complete at least 1 of the following courses:

- PO105 - American Politics
- PO330 - American Citizenship
- PO321 - U.S. Constitutional Law
- PO324 - Civil Liberties

-

AND

Citizenship Philosophy or Interest Group Expression

-

Complete at least 1 of the following courses:

- PO303 - Political Philosophy
- SO202 - Problems of Modern Society

-

AND

Oral and Written Advocacy

-

Complete at least 1 of the following courses:

- EN112 - Public Speaking
- COMM109 - Media Technology and Culture
- COMM207 - Journalism in Democracy
- COMM214 - Navigating the Digital World
- COMM261 - Interpersonal Communication

-

-

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Explain key principles of political reform or revolutionary movements in American or world history, to show how citizens have collectively undertaken to alter the political, economic, or social status quo.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Discuss and debate the rights and duties of American citizens, such as those outlined in the Bill of Rights as interpreted by the political branches of government and the judiciary.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Analyze how political change happens through the actions of individuals at the grassroots level, such as by joining political parties, interest groups, or non-profit organizations, and advocating on the local, state, and/or national levels.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Practice written and/or oral methods of expression that allow for the formulation and defense of personal viewpoints with an understanding of the institutional rules and protocols of institutions (such as: e.g. Robert's Rules).

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Explain how the responsibilities and activities undertaken during the internship promoted civic engagement, through the keeping of a reflection journal.

Justification
-

Admission Criteria
-

Economics Minor

Program Details

Simple Requisites

Economics Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Earn a minimum C of 2.0 in the following:

- EC201 - Principles of Economics (Macro)
- EC202 - Principles of Economics (Micro)
- EC310 - Money and Banking
- EC406 - Public Finance

-

AND

Upper-level Courses

-

Earn at least 6 credits from the following:

- Economics 300-499
- Finance 300-499
- Quantitative Methods 300-499

MG360 Health Economics & Policy is also an available option.

-

Additional Comments:
Students in the Management major with a Financial Economics concentration are ineligible to declare the minor. A cumulative GPA of 2.0 is required.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Business, School of

Admission Criteria
-

Education - Elementary Minor

Program Details

Simple Requisites

Education - Elementary Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Complete ALL of the following Courses:

- ED234 - Learning and Teaching Strategies
- ED315 - Special Needs Child
- ED351 - Methods of Teaching Science to Elementary Students
- ED432 - Curriculum and Methods of Instruction
- MA360 - Teaching Mathematics at the Elementary - Middle School Level
- PY220 - Developmental Psychology

-

Additional Comments:
Education major with an Elementary concentration is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Admission Criteria
-

Education - Secondary Minor

Program Details

Simple Requisites

Education - Secondary Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Complete ALL of the following Courses:

- ED234 - Learning and Teaching Strategies
- ED315 - Special Needs Child
- ED368 - Curriculum & Methods in Secondary Subjects
- PY220 - Developmental Psychology
- PY324 - Adolescent Psychology

-

Additional Comments:
An education major with a Secondary Math concentration is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Admission Criteria
-

Engineering Science Minor

Program Details

Simple Requisites

Engineering Science Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Course

-

Complete at least 1 of the following courses:

- CE211 - Surveying
- CE321 - Materials Laboratory
- CE322 - Fluid Mechanics Laboratory
- CE336 - Introduction to Transportation Engineering
- CE348 - Structural Analysis
- EE215 - Fundamentals of Digital Design
- EE321 - Embedded Systems
- EE373 - Electrical Energy Conversion
- EE411 - Infrastructure Control Systems
- EG201 - Engineering Mechanics-Statics
- EG301 - Mechanics of Materials
- EG303 - Fluid Mechanics
- ME381 - Measurements & Instrumentation
- ME382 - Mechanical Engineering Laboratory II

-

AND

Support Courses

-

Complete at least 5 courses in the following course sets:

- Civil Engineering 100-499
- Electrical Engineering 100-499
- General Engineering 100-499
- Mechanical Engineering 200-499

-

-

Additional Comments:
A major in Civil Engineering, Engineering, Electrical & Computer Engineering or Mechanical Engineering is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Engineering, School of

Admission Criteria
-

English Minor

Program Details

Simple Requisites

English Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Literature

-

Complete ALL of the following Courses:

- EN222 - Introduction to World Literatures
  OR EN322 - Topics in World Literatures
- EN282 - Literary Methods

-

AND

Upper-level English

-

Complete at least 1 courses in the following course sets:

- English 299-499

-

AND

Mid-level English

-

Complete at least 3 courses in the following course sets:

- English 202-499

-

-

Additional Comments:
An English major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Global Humanities

Admission Criteria
-

Entrepreneurship Minor

Program Details

Simple Requisites

Entrepreneurship Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Course

-

Complete ALL of the following Courses:

- MG224 - Principles of Entrepreneurship

-

AND

Convincing Others of the Merits New Ideas

-

Complete at least 1 of the following courses:

- CM261 - Interpersonal Communications (Inactive)
- EN112 - Public Speaking
- MG314 - Marketing Management
- MG441 - Integrated Marketing Communications
- COMM261 - Interpersonal Communication

-

AND

Interacting with Employees within an Organization

-

Complete at least 1 of the following courses:

- AP222 - Human Issues in Design (Inactive)
- EN244 - The Literature of Leadership
- MG309 - Management of Organizations
- MG351 - Organizational Behavior
- MG408 - Human Resources Management
- NR321 - Nursing Leadership

Management majors cannot select Management (MG).

AND

Economic Factors & Trends Influencing Current & Future Profitability

-

Complete at least 1 of the following courses:

- EC201 - Principles of Economics (Macro)
- EC202 - Principles of Economics (Micro)
- EC310 - Money and Banking
- EC419 - International Economics
- MG319 - International Dimensions of Business

-

AND

Legal & Tax Implications

-

Complete at least 1 of the following courses:

- AC201 - Introduction to Accounting and Financial World
- MG341 - Business Law I
- MG346 - Business Law II

-

AND

Incorporating Innovation in Work & Teams

-

Complete at least 1 of the following courses:

- AP431 - Design Thinking and Innovation
- EG400 - Design Thinking and Innovation

-

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Business, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Evaluate a product or service to meet the desired needs of markets within realistic constraints such as financial, environmental, social, political, ethical, health and safety, manufacturability, and sustainability

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand how to start an entrepreneurial business

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
The ability to convince others about the merits of a new idea

Justification
-

Name -	**Tags** -
Activity -	**Assessment** -
Outcome The ability to practice techniques to effectively manage and motivate people	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Understand the impact of product- and service-based solutions in a contemporary global, economic, environmental, and societal context	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Knowledge of legal and tax implications associated with their decisions	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Think and act innovatively	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Knowledge of design thinking and other tools that every innovative organization needs to succeed	**Justification** -

Admission Criteria
-

Environmental Science Minor

Program Details

Simple Requisites

Environmental Science Minor Requirements
Type
Completion Requirement

Requirements

-

Fulfill ALL of the following requirements:

Core Courses

-

Complete ALL of the following Courses:

- GL110 - Introduction to Geology
  OR GL111 - Oceanography
- BI205 - Ecology
- ES115 - Geographic Information Systems
  OR ES130 - Introduction to Environmental Law

-

AND

Support Courses

Additional course option is BI309 Biology for Sustainable Future.

Earn at least 6 credits from the following:

- Geology 200-499
- Environmental Science 100-499

Geology majors may not take ES115 Geographic Info. Systems and one course must not be Geology.

AND

200-Level Environmental Science

-

Complete at least 1 courses in the following course sets:

- Environmental Science 200-299

-

-

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Earth & Environmental Sciences

Name
-

Tags
-

Activity
-

Assessment
GL110: Plate Tectonic Map question on the Lab Practicum; GL111: Sunset Lake check-in#1 – Explaining Inverse Thermal Stratification

Outcome
Explain the fundamental processes that control the formation and behavior of Earth's surficial materials, including the hydrologic cycle, climate change, and plate tectonics.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
BI205: Select questions from Quizzes

Outcome
Identify and describe the abiotic and biotic components and connecting flows of energy and matter within an ecosystem.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
GL110: Groundwater Contamination question on Lab Practicum; GL111: Erosion of Sandwich Beach question from Shoreline Lab

Outcome
Connect and describe human activity with the alteration of the Earth surface and ecosystems through development, water use, or resource extraction.

Justification
-

Admission Criteria
-

Finance Minor

Program Details

Simple Requisites

Finance Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Finance

-

Complete ALL of the following Courses:

- FN311 - Corporate Finance
- FN407 - Corporate Finance II
- FN412 - Investments
- EC310 - Money and Banking

-

AND

Accounting and Economics

-

Earn at least 6 credits from the following:

- AC335 - Intermediate Accounting I
- AC336 - Intermediate Accounting II
- AC442 - Advanced Accounting
- EC406 - Public Finance
- EC419 - International Economics
- MG319 - International Dimensions of Business

-

-

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Business, School of

Admission Criteria
-

French Minor

Program Details

Simple Requisites

French Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Intermediate French

-

Complete ALL of the following Courses:

- FR205 - Intermediate French I
- FR206 - Intermediate French II

-

AND

Advanced French

-

Earn at least 9 credits from the following:

- French 250-499

Students who place into the advanced level of French on the foreign language placement test (FLPT) can waive the intermediate level courses and complete the minor with 9 credits in French (FR 250-499).

-

Additional Comments:
A cumulative GPA in required courses must be a 2.0, or higher.

Program Delivery Residential Program	**Degree Designation** Undergraduate Minor	**Program Level** Undergraduate
Program Type Minor	**College** College of Arts & Sciences	**School/Department(s)** Global Humanities

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Develop linguistic skills in oral and written expression at the intermediate to low-advanced level	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Engage in everyday conversation with native speakers of French	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Communicate with respect and cultural understanding in the French language	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Read and analyze authentic documents from French-speaking societies	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** -
Outcome Produce texts and media in French and demonstrate an understanding of approaches to translation	**Justification** -

Admission Criteria
-

Geology Minor

Program Details

Simple Requisites

Geology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ANY of the following requirements:

Environmental Science majors with Scientific Foundations concentration

-

Fulfill ALL of the following requirements:

Geology Courses

-

Complete at least 3 of the following courses:

- GL156 - Introduction to Earth Evolution
- GL253 - Geomorphology
- GL257 - Sedimentology
- GL260 - Project in Geology
- GL261 - Field Geology
- GL299 - Pilot Course

-

AND

Geology Electives

-

Complete at least 3 courses in the following course sets:

- Geology 200-499

GL110 Introduction to Geology may be used as one of the three courses.

-

OR

All Other Majors

-

Fulfill ALL of the following requirements:

Geology Electivee

-

Complete at least 2 courses in the following course sets:

- Geology 100-499

-

AND

Upper-Level Geology Electives

-

Complete at least 4 courses in the following course sets:

- Geology 200-499

-

-

-

Additional Comments:
A cumulative GPA in required courses must be a 2.0, or higher. A Geology major cannot declare the minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Earth & Environmental Sciences

Name
-

Tags
-

Activity
-

Assessment
Identification of samples in the laboratory- and field-settings

Outcome
Know the procedures for identification of rocks, minerals and fossils.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Map, field, and data analysis and interpretation of landforms and geologic materials in the context of plate tectonic theory.

Outcome
Understand the stresses produced in a dynamic Earth and their resulting products, and know the fundamentals of plate tectonic theory.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Completion of an upper-level geology course in a sub-field of geology with a detailed focus on either surface processes and materials or interior Earth processes and materials.

Outcome
Understand the materials and processes involved in the constitution and transformation of either the surface or interior of the Earth.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Lab or classroom assignments requiring analysis of geologic data and application of geologic principles to understanding real-world geologic-human interactions.

Outcome
Apply geologic concepts and principles towards understanding geologic-human interactions such as, natural hazards, resource extraction, and other impacts of humans on natural systems.

Justification
-

Admission Criteria
No admission criteria

History Minor

Program Details

Simple Requisites

History Minor Requirements (click here)
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

History Colloquia

-

Complete at least 1 of the following courses:

- HI328 - Colloquium in History

-

AND

History Electives

-

Complete at least 2 courses in the following course sets:

- History 100-499

-

AND

History 200-Level Elective

-

Complete at least 1 courses in the following course sets:

- History 200-299

-

AND

History 300-Level Elective

-

Complete at least 1 courses in the following course sets:

- History 300-399

-

-

Additional Comments:
A History or Studies in War & Peace major is ineligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
Students will write essays that require the use of primary and secondary sources to craft and defend a thesis. This will be assessed in a colloquium.

Outcome
Analyze diverse responses to an important event in history using primary and secondary sources.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will draft a research paper in a colloquium that requires the effective use of primary and secondary sources. This will be assessed in a colloquium.

Outcome
Determine where to find primary and secondary sources using scholarly internet sites and on-line databases.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Students will draft a research paper in a colloquium that requires correct citations and a bibliography.

Outcome
Demonstrate the conventions of when and how to cite sources.

Justification
-

Admission Criteria
-

Health Minor

Program Details

Simple Requisites

Health Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR261 - Foundations in Health Education

-

AND

Support Courses

-

Fulfill ANY of the following requirements:

Exercise Science Majors

-

Fulfill ALL of the following requirements:

Support Courses

-

Complete ALL of the following Courses:

- HHPR212 - Health Promotion
- HHPR256 - Fundamentals of Epidemiology
- PY220 - Developmental Psychology

-

AND

Choice Electives

-

Complete at least 1 of the following courses:

- HHPR136 - Emergency Care of Injury and I
- HHPR139 - Health Science Research Methods
- HHPR200 - Foods and Nutrition

-

-

OR

All Other Majors

-

Complete at least 4 of the following courses:

- HHPR136 - Emergency Care of Injury and I
- HHPR139 - Health Science Research Methods
- HHPR212 - Health Promotion
- HHPR200 - Foods and Nutrition
- HHPR256 - Fundamentals of Epidemiology
- PY220 - Developmental Psychology

-

-

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher. A Health Science major may not declare this minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Health and Human Performance

Admission Criteria
-

Information Assurance Minor

Program Details

Simple Requisites

Information Assurance Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Earn an average GPA of 2.0 in the following:

- CS140 - Programming and Computing
- CS260 - Data Communications and Networks
- DF395 - Cyber Criminalistics
- IA340 - Introduction to Information Assurance
- IA342 - Management of Information Assurance
- IA360 - Network Security

-

Additional Comments:
A Computer Security & Information Assurance major is ineligible to declare this minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Cybersecurity & Advanced Computing, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Use of fundamental computing and data-communication terminology, concepts and practices

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Appropriate application of essential cyber-crime and digital-forensic concepts, techniques and procedures

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
The ability to recognize, define or explain, and use the technical terminology of information assurance

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Application of the fundamentals of information assurance, information-assurance management, and their application in organizational contexts

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
High ethical, personal and professional standards, especially in regards to information assurance and its impact on individuals, organizations, and society

Justification
-

Admission Criteria
-

International Business Minor

Program Details

Simple Requisites

International Business Minor Requirements
Type
Completion Requirement

Minor Requirements
-

Fulfill ALL of the following requirements:

International Courses
-

Complete ALL of the following Courses:

- EC419 - International Economics
- MG232 - Intercultural Engagements
- MG320 - International Marketing
- MG319 - International Dimensions of Business

-

AND

Support Courses

-

Earn at least 6 credits from the following:

- EC310 - Money and Banking
- PH322 - Money, Meaning and Morality
- PO215 - International Relations
- PO415 - International Law

-

-

Additional Comments:
An International Business major or International Business concentration in the Management major is ineligible to declare the minor. A cumulative GPA in minor must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Business, School of

Admission Criteria
-

Leadership Studies Minor

Program Details

Simple Requisites

Leadership Studies Minor Requirements
Type
Completion Requirement

German Minor

-

Fulfill ALL of the following requirements:

Foundation

-

Complete ALL of the following Courses:

- LEAD111 - Foundations of Leadership
- LEAD201 - Principles of Leadership
- LEAD202 - Theories and Models of Leadership

-

AND

Leadership Elective

-

Complete at least 1 courses in the following course sets:

- Leadership 100-499

-

AND

Upper-Level Leadership Elective

-

Complete at least 1 courses in the following course sets:

- Leadership 300-499

-

-

Additional Comments:
A cumulative GPA in required courses must be a 2.0, or higher. The Leadership Major is not eligible to declare this minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
Center for Leadership

School/Department(s)
0300

Name
-

Tags
-

Activity
-

Assessment
Prior approval has been provided.

Outcome
Demonstrate critical thinking skills through effective oral and written communication within the classroom and with the general public.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Prior approval has been provided.

Outcome
Employ their mental agility, team building and planning skills to successfully engage others to affect positive change in their communities.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Prior approval has been provided.

Outcome
Integrate knowledge with experience, formulating ethical decisions through reflection on the ethical standards of conduct within their profession and in their personal lives.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Prior approval has been provided.

Outcome
Synthesize their awareness of self and of others through reflection, accurate assessment and example setting self-regulation skills developed during their studies at Norwich.

Justification
-

Admission Criteria
Prior approval has been provided.

Marketing Minor

Program Details

Simple Requisites

Marketing Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- MG227 - Principles of Marketing
- MG314 - Marketing Management
- MG318 - Social Media Marketing
- MG325 - Marketing Analytics

-

AND

Understand consumers, decision making, and culture

-

Complete at least 1 of the following courses:

- MG426 - Marketing Research
- PY110 - Introduction to Psychology
- PY236 - Cross-Cultural Psychology
- PY240 - Introduction to Social Psychology

-

AND

Interact with consumers and markets

-

Fulfill ANY of the following requirements:

International Business Majors

-

Complete at least 1 of the following courses:

- MG441 - Integrated Marketing Communications
- COMM261 - Interpersonal Communication

-

OR

All Other Majors

-

Complete at least 1 of the following courses:

- MG319 - International Dimensions of Business
- MG320 - International Marketing
- MG441 - Integrated Marketing Communications
- COMM261 - Interpersonal Communication

-

-

-

Additional Comments:
A Management major with a Marketing concentration is ineligible to declare this minor. A minor must have a cumulative GPA of 2.0.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Business, School of

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Practice marketing from the perspective of the marketing team of a major consumer products firm.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Apply the key concepts of marketing strategy development in a realistic simulation environment.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Brand positioning and product design to execute a strategic marketing plan the success of which will be measured by sales revenue, net profit and the return on marketing investment.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand how consumers make decisions regarding the purchase and use of products and services.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand the social-psychological basis of the consumer's decision process and the internal and external factors that influence this process.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand how consumer behavior is used in the development of marketing strategies.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand the principles behind marketing communications and how to develop the key components of an integrated messaging strategy.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand the purpose of traditional and digital communication media, when to use them and in what combination, to effectively achieve marketing and communication objectives.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Be able to think critically in the evaluation of marketing problems for drawing sound conclusions about what actions company management needs to take based on insights from the research findings.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Develop your ability to define marketing problems, translate them into research objectives and testable hypotheses using the appropriate research methodology and statistical analyses, and present your recommendations to management.

Justification
-

Admission Criteria
-

Sports Management Minor

Program Details

Simple Requisites

Sports Management Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- HHPR101 - Scientific Foundations of Health and Wellness
- HHPR333 - Management Sports Facilities
- MG261 - Leadership in Coaching

-

AND

Internship

-

Earn at least 3 credits from the following:

- MG450 - Internship in Management

-

AND

Support Courses

-

Complete at least 2 of the following courses:

- AC201 - Introduction to Accounting and Financial World
- MG224 - Principles of Entrepreneurship
- MG227 - Principles of Marketing
- MG316 - Sales Management
- MG318 - Social Media Marketing
- MG320 - International Marketing
- MG408 - Human Resources Management
- WRIT254 - Sports Writing

-

-

Additional Comments:
A Management major with a Sport Management concentration is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Professional Schools

School/Department(s)
Business, School of

Admission Criteria
-

Naval Science Minor

Program Details

Simple Requisites

Naval Science Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Leadership

-

Complete ALL of the following Courses:

- NS221 - Leadership and Management
- NS422 - Leadership and Ethics

-

AND

Operations

-

Complete at least 1 of the following courses:

- NS421 - Naval Operations and Seamanship
- NS435 - Fundamentals of Maneuver Warfare

-

AND

Select Pathway

-

Fulfill ANY of the following requirements:

Option A

-

Fulfill ALL of the following requirements:

Small Unit

-

Complete ALL of the following Courses:

- NS342 - Small Unit Leadership Skills
- NS342L - Small Unit Leadership Skills Lab

-

AND

Support Courses

-

Complete at least 2 of the following courses:

- NS122 - Sea Power and Maritime Affairs
- NS222 - Navigation
- NS321 - Naval Ship Systems I
- NS322 - Naval Ship Systems II
- NS331 - Evolution of Warfare

-

-

OR

Naval Courses

-

Complete at least 3 of the following courses:

- NS122 - Sea Power and Maritime Affairs
- NS322 - Naval Ship Systems II
- NS321 - Naval Ship Systems I
- NS322 - Naval Ship Systems II
- NS331 - Evolution of Warfare

-

-

-

Additional Comments:
A Naval Science Certificate/Concentration is not eligible to declare this minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of National Services

School/Department(s)
Naval Science

Admission Criteria
-

Actuarial Science Minor

Program Details

Simple Requisites

Actuarial Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Earn an average GPA of 2.0 in the following:

- EC201 - Principles of Economics (Macro)
- EC202 - Principles of Economics (Micro)
- MA311 - Statistical Methodology
- MA312 - Statistical Methodology II
- MA321 - Financial Mathematics
- MA419 - Internship in Mathematics

-

Additional Comments:
A Mathematics major is ineligible to declare the minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Mathematics

Admission Criteria
-

Mathematics

Program Details

Simple Requisites

Mathematics Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Mathematics Courses

-

Complete at least 3 courses in the following course sets:

- Mathematics 121-499

-

AND

Mathematics Upper-Level

-

Complete at least 3 courses in the following course sets:

- Mathematics 300-499

-

-

Additional Comments:
A Mathematics major is ineligible to declare the minor. Students self-design this minor so the classes chosen blend with their major, with the advice of the Math Department. A cumulative GPA in required courses must be a 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Mathematics

Name
-

Tags
-

Activity
-

Assessment
testing

Outcome
Graduates will have the ability to formulate problems in the application of mathematics to various disciplines, and analyze, solve, and model solutions to these problems.

Justification
-

Name	Tags
-	-
Activity	**Assessment**
-	testing
Outcome	
Graduates will have a broad knowledge of mathematics including single and will have demonstrated competency in theoretical, applied, routine, and non-routine problems.	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	testing
Outcome	
Graduates will be prepared for successful employment in a profession employing mathematics or a profession of their choice and be well prepared for graduate or professional school.	**Justification** -

Admission Criteria
No Admission Criteria

Neuroscience Minor

Program Details

Simple Requisites

Neuroscience Minor Requirements
Type
Completion Requirement

Minor Requirements

A Neuroscience major is ineligible to declare the minor. A cumulative GPA in required courses must be a 2.0, or higher.

Fulfill ALL of the following requirements:

Neuroscience Courses

-

Complete ALL of the following Courses:

- BI215 - Human Anatomy & Physiology I
- BI370 - Introduction to Neuroscience
- PY230 - Biopsychology
- PY344 - Cognition

-

AND

Biology Course

-

Complete at least 1 of the following courses:

- BI304 - Physiology
- BI304 - Physiology
- BI415 - Neuroanatomy
- BI420 - Diseases of the Nervous System
- CH324 - Biochemistry I

-

AND

Psychology Course

-

Complete at least 1 of the following courses:

- PY212 - Abnormal Psychology
- PY220 - Developmental Psychology
- PY236 - Cross-Cultural Psychology
- PY352 - Learning and Memory
- CH325 - Biochemistry II

-

-

Additional Comments:
A Neuroscience major is ineligible to declare the minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Biology

Admission Criteria
-

Philosophy Minor

Program Details

Simple Requisites

Philosophy Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Course

-

Complete ALL of the following Courses:

- PH302 - Global History of Philosophy

-

AND

Philosophy Electives

-

Earn at least 12 credits from the following:

- Philosophy 100-499

-

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Global Humanities

Name -	**Tags** -
Activity -	**Assessment** Testing
Outcome Identify, analyze, synthesize, and/or critique philosophical and/or religious texts in relation to historical and/or contemporary contexts	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Testing
Outcome Apply philosophical and/or religious ideas to moral issues	**Justification** -

Name -	**Tags** -
Activity -	**Assessment** Testing
Outcome Conduct research and construct arguments and/or counterarguments in writing and/or debate formats	**Justification** -

Admission Criteria
No additional admission requirements.

Physics Minor

Program Details

Simple Requisites

Physics Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- PS211 - University Physics I
- PS212 - University Physics II

-

AND

Physics Elective

-

Complete at least 2 courses in the following course sets:

- Physics 100-499

-

AND

Physics Upper-level Elective

-

Complete at least 2 courses in the following course sets:

- Physics 300-499

-

-

Additional Comments:
A Physics major is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Physics

Admission Criteria
-

Pre-Law Minor

Program Details

Simple Requisites

Pre-Law Minor for a Political Science Major
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

One course is permitted between PO 324, 415 and HI 339.

Complete ALL of the following Courses:

- CJ101 - Introduction to Criminal Justice
- CJ212 - Criminal Law
- PO321 - U.S. Constitutional Law

-

AND

Law Focused

-

Complete at least 2 of the following courses:

- CJ214 - Criminal Procedure
- CJ310 - The Courts

- ES130 - Introduction to Environmental Law
- IA241 - Cyberlaw and Cybercrime
- MG341 - Business Law I
- MG346 - Business Law II
- PO324 - Civil Liberties
- PO415 - International Law

CJ 399 - Title "International Criminal Law"

AND

Cognate Elective

-

Complete at least 1 of the following courses:

- AC201 - Introduction to Accounting and Financial World
- CJ423 - Evidence
- HI339 - U.S. Diplomatic History, 1914-present
- PH230 - Logic
- PH324 - Criminal Justice Ethics
- PY324 - Adolescent Psychology
- PY355 - Psychology and the Law
- WRIT204 - Professional and Technical Writing

-

One course of PO 324, PO 415 and HI 339 can be used in the minor.

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Pre-Law Minor for a Criminal Justice Major
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CJ101 - Introduction to Criminal Justice
- CJ212 - Criminal Law
- PO321 - U.S. Constitutional Law

-

AND

Law-Focused

-

Complete at least 2 of the following courses:

- IA241 - Cyberlaw and Cybercrime
- ES130 - Introduction to Environmental Law
- MG341 - Business Law I
- MG346 - Business Law II
- PO415 - International Law

-

AND

Cognate Elective

-

Complete at least 1 of the following courses:

- AC201 - Introduction to Accounting and Financial World
- WRIT204 - Professional and Technical Writing
- HI339 - U.S. Diplomatic History, 1914-present
- PH230 - Logic
- PH324 - Criminal Justice Ethics
- PY324 - Adolescent Psychology
- PY355 - Psychology and the Law

-

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Pre-Law for all Other Majors
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- CJ101 - Introduction to Criminal Justice
- CJ212 - Criminal Law
- PO321 - U.S. Constitutional Law

-

AND

Law-focused

-

Complete at least 2 of the following courses:

- CJ214 - Criminal Procedure
- CJ310 - The Courts
- ES130 - Introduction to Environmental Law
- IA241 - Cyberlaw and Cybercrime
- MG341 - Business Law I
- MG346 - Business Law II
- PO324 - Civil Liberties
- PO415 - International Law

CJ 399 - Title "International Criminal Law"

AND

Cognate Elective

-

Complete at least 1 of the following courses:

- AC201 - Introduction to Accounting and Financial World
- CJ423 - Evidence
- WRIT204 - Professional and Technical Writing
- HI339 - U.S. Diplomatic History, 1914-present

- PH230 - Logic
- PH324 - Criminal Justice Ethics
- PY324 - Adolescent Psychology
- PY355 - Psychology and the Law

-

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Name
-

Tags
-

Activity
-

Assessment
test, paper, presentation

Outcome
Evaluate precedent and its effect on the types of cases adjudicated and interpreted by contemporary courts

Justification
-

Name
-

Tags
-

Activity
-

Assessment
test, paper, presentation

Outcome
Compare and contrast the adversary law system with accusatorial (civil) law systems

Justification
-

Name
-

Tags
-

Activity
-

Assessment
test, paper, presentation

Outcome
Evaluate the professional and ethical obligations of prosecutors, the role of defense attorneys, and the functions of other court members

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Presentation

Outcome
Develop oral arguments/presentations, written reports, and/or projects based on a specific legal topic or area of interest

Justification
-

Admission Criteria
-

Political Science Minor

Program Details

Simple Requisites

Political Science Minor Requirements
Type
Completion Requirement

Political Science

-

Fulfill ALL of the following requirements:

Political Science Coursework

-

Earn at least 12 credits from the following:

- Political Science 100-499

-

AND

Upper-level Political Science

-

Earn at least 3 credits from the following:

- Political Science 300-499

-

A maximum of six credits in PO403 Internship internship is permitted to count toward the minor.

Additional Comments:
A Political Science major is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Understand and evaluate political and policy processes and outcomes.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate an understanding of the political and policy processes in a variety of domestic and international settings.

Justification
-

Admission Criteria
-

Psychology Minor

Program Details

Simple Requisites

Psychology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- PY110 - Introduction to Psychology
- PY313 - Experimental Psychology I

-

AND

Psychology Electives

-

Complete at least 2 of the following courses:

- PY212 - Abnormal Psychology
- PY230 - Biopsychology
- PY240 - Introduction to Social Psychology
- PY241 - Introduction to Personality Theory
- PY263 - Perception
- PY344 - Cognition
- PY352 - Learning and Memory

-

AND

Psychology 200-level Elective

-

Complete at least 1 courses in the following course sets:

- Psychology 200-299

-

AND

Psychology Upper-level Elective

-

Complete at least 1 courses in the following course sets:

- Psychology 300-499

-

-

Additional Comments:
A Psychology major is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Admission Criteria
-

Cross-Cultural Psychology Minor

Program Details

Simple Requisites

Cross-Cultural Psychology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Earn an average GPA of 2.0 in the following:

- PY110 - Introduction to Psychology
- PY236 - Cross-Cultural Psychology
- PY240 - Introduction to Social Psychology
- PY344 - Cognition
- SO212 - Cultural Anthropology
- SO214 - Racial and Cultural Minorities
- PY241 - Introduction to Personality Theory
  OR PY263 - Perception
  OR PY352 - Learning and Memory

-

Additional Comments:
A Psychology major is ineligible to declare the minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Admission Criteria
-

Engineering Psychology Minor

Program Details

Simple Requisites

Engineering Psychology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Earn an average GPA of 2.0 in the following:

- PY110 - Introduction to Psychology
- PY232 - Engineering Psychology
- PY344 - Cognition
- PY350 - Environmental Psychology

- PY230 - Biopsychology
  OR PY263 - Perception
  OR PY352 - Learning and Memory
- PY220 - Developmental Psychology
  OR PY240 - Introduction to Social Psychology
  OR PY241 - Introduction to Personality Theory

-

Additional Comments:
A Psychology major is ineligible to declare the minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Admission Criteria
-

Forensic Psychology Minor

Program Details

Simple Requisites

Forensic Psychology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- PY110 - Introduction to Psychology
- PY234 - Forensic Psychology
- PY355 - Psychology and the Law

-

AND

Developmental Psychology

-

Complete at least 2 of the following courses:

- PY212 - Abnormal Psychology
- PY220 - Developmental Psychology
- PY240 - Introduction to Social Psychology
- PY241 - Introduction to Personality Theory

-

AND

Biological Psychology

-

Complete at least 2 of the following courses:

- PY230 - Biopsychology
- PY263 - Perception
- PY344 - Cognition
- PY352 - Learning and Memory

-

-

Additional Comments:
A Psychology major is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Admission Criteria
-

Political Psychology Minor

Program Details

Simple Requisites

Political Psychology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Earn an average GPA of 2.0 in the following:

- PO105 - American Politics
- PY110 - Introduction to Psychology
- PY238 - Political Psychology
- PY240 - Introduction to Social Psychology
- PY344 - Cognition
- PO315 - Public Opinion and Political Behavior
  OR PO333 - American Foreign Policy
- PY241 - Introduction to Personality Theory

-

Additional Comments:
A Psychology major is ineligible to declare the minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Psychology & Education

Admission Criteria
-

Intelligence & Security Management Minor

Program Details

Simple Requisites

Intelligence & Security Management Minor Requirements
Type

Completion Requirement

Minor Requirements

-

Earn an average GPA of 2.0 in the following:

- COMM312 - Law Enforcement Intercultural Communications
- CJ430 - Homeland Security
- INSC313 - Global Security and Intelligence
- INSC320 - Intelligence Management
- POLS302 - National Security Policy
- SSDA320 - Information Operations

-

Program Delivery
Online Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Admission Criteria
There is no admission requirement to declare this minor.

Religious Studies Minor

Program Details

Simple Requisites

Religious Studies Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- PH220 - Comparative Religion
- HI214 - History of the Middle East
- HI202 - The Middle Ages: Europe 500 - 1500
  OR HI321 - Reformation Europe

-

AND

Religion Electives

-

Complete at least 2 of the following courses:

- FA201 - History/Theory of Architecture I
- FA202 - History/Theory of Architecture II
- PH340 - Non-Violence and Just War Theory
- SO212 - Cultural Anthropology
- SO323 - Religion and Society

-

-

Additional Comments:

A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
History & Political Science

Name
-

Tags
-

Activity
-

Assessment
Paper or project in PH 220

Outcome
Explain the diverse nature of religious and ethical systems in human societies using theoretical models.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Paper or project in PH 220

Outcome
Interpret a variety of sources pertinent to religious studies, such as primary and secondary texts, records of religious practice in other media, etc.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Paper or project in PH 220

Outcome
Analyze the relationship between theology and the ways religion is lived and practiced in various societies.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Paper or project in PH 220

Outcome
Evaluate the historical development of religious traditions as they continue to adapt to changing social, cultural, and/or environmental contexts

Justification
-

Admission Criteria
-

Sociology Minor

Program Details

Simple Requisites

Sociology Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Courses

-

Complete ALL of the following Courses:

- SO201 - Introduction to Sociology
- SO214 - Racial and Cultural Minorities
- CRIM209 - Methods of Social Science Research
  OR HI249 - Historical Methods
  OR PO220 - Research Methods
  OR PY313 - Experimental Psychology I
  OR PY314 - Experimental Psychology II (Inactive)

-

AND

Support Courses

-

Complete at least 1 of the following courses:

- CRIM320 - Drugs and Society
- PY240 - Introduction to Social Psychology

May also select from Sociology 100-499

AND

Upper-Level Sociology

-

Complete at least 2 courses in the following course sets:

- Sociology 300-499

-

-

Additional Comments:
A cumulative GPA in required courses must be a 2.0, or higher. Criminal Justice Majors cannot share courses between Major and the Sociology Minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Admission Criteria
-

Spanish Minor

Program Details

Simple Requisites

Spanish Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Intermediate Spanish

-

Complete ALL of the following Courses:

- SP205 - Intermediate Spanish I
- SP206 - Intermediate Spanish II

-

AND

Advanced Spanish

-

Earn at least 9 credits from the following:

- Spanish 250-499

Students who place into the advanced level of Spanish on the foreign language placement test (FLPT) can waive the intermediate level courses and complete the minor with 9 credits in Spanish (SP 250-499).

-

Additional Comments:
A Spanish major is ineligible to declare the minor. A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Global Humanities

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To listen, speak, and write with advanced proficiency and produce different styles of speaking and writing.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To read literary and popular texts, film, art, music, and more in Spanish and discern moral, cultural, aesthetic values, literary movements, and historical periods informing the conditions in which those works are produced.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To demonstrate a comprehension and appreciation of the differences and similarities among Spain, Latin America, the Caribbean, and Latino/a population as they compare to other cultures.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
To conduct research on and think critically about works of literature, film, art, music and more produced by Hispanic cultures and identify leadership qualities and discuss ethical questions in the works.

Justification
-

Admission Criteria
-

Transnational Crime Minor

Program Details

Simple Requisites

Transnational Crime Minor Requirements
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Foundation Requirements

-

Earn an average GPA of 2.0 in the following:

- CJ101 - Introduction to Criminal Justice
- CJ318 - Transnational Crime

-

AND

Crime Related

-

Complete at least 1 of the following courses:

- CJ421 - Comparative Criminal Justice Systems
- CJ430 - Homeland Security
- CRIM330 - Terrorism
- IA241 - Cyberlaw and Cybercrime

-

AND

Electives

-

Complete at least 3 of the following courses:

- AC201 - Introduction to Accounting and Financial World
- EC106 - The Structure and Operation of the World Economy
- HI339 - U.S. Diplomatic History, 1914-present
- PO202 - Introduction to Comparative Politics
- PO215 - International Relations
- PO415 - International Law

May also select from Chinese, French, German and Spanish 205-499.

-

Additional Comments:
A cumulative GPA in required courses must be 2.0, or higher.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Criminology & Criminal Justice, School of

Admission Criteria
-

Writing Minor

Program Details

Simple Requisites

Writing Minor
Type
Completion Requirement

Minor Requirements

-

Fulfill ALL of the following requirements:

Writing Courses

-

Earn at least 9 credits from the following:

- WRIT204 - Professional and Technical Writing
- WRIT254 - Sports Writing
- WRIT274 - Introduction to Creative Writing
- WRIT276 - Environmental Writing
- WRIT278 - Digital Storytelling
- WRIT362 - Arguing and Persuading

-

AND

Support Courses

-

Earn at least 6 credits from the following:

- COMM104 - Media Lab
- COMM208 - The Nuwsroom
- HUMA402 - Humanities Capstone

-

-

Additional Comments:
The minor requirements must be a cumulative grade point average of a 2.0 or higher. Communications majors with the Writing Concentration is in eligible to declare this minor. An English major who pursues a Writing minor may only use two courses that satisfy both the English major and the Writing minor.

Program Delivery
Residential Program

Degree Designation
Undergraduate Minor

Program Level
Undergraduate

Program Type
Minor

College
College of Arts & Sciences

School/Department(s)
Global Humanities

Name
-

Tags
-

Activity
-

Assessment
Writing assignment from a WRIT course.

Outcome
Produce writing that correctly identifies an appropriate audience and uses rhetorical tools to correctly address the target audience.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Writing assignment from a WRIT course.

Outcome
Produce writing in an appropriate genre and employ or negotiate appropriate genre conventions for an identified audience and context.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Writing assignment from WRIT course.

Outcome
Engage in multiple stages of revision, both globally and locally, in a way that demonstrates audience awareness and knowledge of genre conventions, and a developing writing style.

Justification
-

Admission Criteria
No additional admission requirements.

Mathematics & Computer Science

Program Details

Simple Requisites

Mathematics & Computer Science (B.S.) Requirements
Type
Completion Requirement

Core Courses
-

Fulfill ALL of the following requirements:

Calculus - Two must be a Grade of C or higher
-

Complete ALL of the following Courses:

- MA121 - Calculus I
- MA122 - Calculus II
- MA223 - Calculus III

-

AND

Computer Science

-

Earn a minimum Grade of C, or higher in the following:

- CS100 - Foundations of Computer Science and Information Assurance
- CS140 - Programming and Computing

CS100 is available for credit-by-exam

AND

Mathematics & Computer Science

-

Complete ALL of the following Courses:

- MA306 - Discrete Mathematics
- MA310 - Linear Algebra
- MA311 - Statistical Methodology
- MA370 - Introduction to Operations Research
- MA380 - Theory of Computation
- CS111 - Personal & Professional Cyber Safety
- CS228 - Introduction to Data Structures
- CS240 - Database Management
- CS260 - Data Communications and Networks
- CS270 - Operating Systems & Parallelism
- CS312 - Assembly Language and Reverse Engineering

-

AND

Capstone

-

Fulfill ANY of the following requirements:

Mathematics Capstone

-

Fulfill ALL of the following requirements:

Capstone

-

Complete ALL of the following Courses:

- MA250 - Communication in Mathematics
- MA411 - Senior Seminars

-

AND

CS Technical Elective

-

Complete at least 1 courses in the following course sets:

- Computer Science 250-499
- Digital Forensics 242-499
- Electrical Engineering 200-499
- Information Assurance 241-499

-

-

OR

Computer Science Capstone

-

Complete ALL of the following Courses:

- CS420 - Computer Science capstone I
- CS421 - Computer Science capstone II

-

-

AND

Support Courses

-

Complete ALL of the following Courses:

- EE321 - Embedded Systems
- PH215 - Survey of Ethics
  OR CS330 - Ethics in Computing and Technology
  OR PH325 - Ethics of AI and Technology

-

AND

Upper-level Mathematics

-

Complete at least 3 courses in the following course sets:

- Mathematics 300-499

-

AND

Upper-level Computer Science

-

Complete at least 1 courses in the following course sets:

- Computer Science 200-499

-

-

Additional Comments:
A student cannot major in Mathematics & Computer Science with a double major in Mathematics or Computer Science.

Program Delivery
Residential Program

Degree Designation
Bachelor of Science

Program Level
Undergraduate

Program Type
Major

College
College of Arts & Sciences

School/Department(s)
Mathematics

Name
-

Tags
-

Activity
-

Assessment
Outcome will be assessed via a problem on a final exam in either MA 241 or MA 310. This assessment will take place every two years.

Outcome
Graduates will have the ability to formulate problems in the application of mathematics to various disciplines, and analyze, solve, and model solutions to these problems.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Majors can be assessed via the College Board ETS Major Field Test in Mathematics on an annual basis.

Outcome
Graduates will have a good understanding and broad knowledge of mathematics including single and multivariable calculus, and linear algebra. Students will demonstrate competency in theoretical, applied, routine, and non-routine problems.

Justification
-

Name
-

Tags
-

Activity
-

Assessment
Final grades in MA 241/CS 142 and CS 140 will be evaluated on an annual basis.

Outcome
Graduates will be proficient in at least one programming language and have a basic knowledge of at least one other;

Justification
-

Admission Criteria
There are no additional program admission criteria above the institutional admission criteria.

Degree Map Name
Mathematics/Computer Science BS
Degree Credits
116 - 120

Year	Term	Semester/Term Credits
Year 1	Fall 1	10 - 14

Requirement
- MA121 - Calculus I

Semester/Term Credits 0 - 4

Requirement
- CS100 - Foundations of Computer Science and Information Assurance

Semester/Term Credits 3

Requirement
- CS111 - Personal & Professional Cyber Safety

Semester/Term Credits 1

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- Goal 3: History General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 1	Spring 1	16

Requirement
- MA122 - Calculus II

Semester/Term Credits 4

Requirement
- CS142 - Introduction to Python Programming

Semester/Term Credits 3

Requirement
- Goal 1: General Education

Semester/Term Credits 3

Requirement
- MA310 - Linear Algebra

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 2	Fall 2	15

Requirement
- MA223 - Calculus III

Semester/Term Credits 4

Requirement
- MA306 - Discrete Mathematics

Semester/Term Credits 3

Requirement
- CS140 - Programming and Computing

Semester/Term Credits 4

Requirement
- Goal 4: General Education

Semester/Term Credits 4

Year	Term	Semester/Term Credits
Year 2	Spring 2	15

Requirement
- CS228 - Introduction to Data Structures

Semester/Term Credits 3

Requirement
- CS240 - Database Management

Semester/Term Credits 3

Requirement
- CS260 - Data Communications and Networks

Semester/Term Credits 3

Requirement
- Goal 4: General Education

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Fall 3	15

Requirement
- MA250 - Communication in Mathematics
  OR
- or Elective if taking the Computer Science Capstone Option (Generic)

Semester/Term Credits 1

Requirement
- MA311 - Statistical Methodology

Semester/Term Credits 3

Requirement
- EE321 - Embedded Systems

Semester/Term Credits 4

Requirement
- CS312 - Assembly Language and Reverse Engineering

Semester/Term Credits 4

Requirement
- Goal 3: Literature General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 3	Spring 3	15

Requirement
- MA380 - Theory of Computation

Semester/Term Credits 3

Requirement
- CS270 - Operating Systems & Parallelism

Semester/Term Credits 3

Requirement
- Computer Science 200-499

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- Goal 3: Arts and Humanities General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Fall 4	15

Requirement
- MA411 - Senior Seminars
  OR
- CS420 - Computer Science capstone I

Semester/Term Credits 3

Requirement
- PH215 - Survey of Ethics
  OR
- CS330 - Ethics in Computing and Technology
  OR
- PH325 - Ethics of AI and Technology

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- Goal 5: General Education

Semester/Term Credits 3

Year	Term	Semester/Term Credits
Year 4	Spring 4	15

Requirement
- MA370 - Introduction to Operations Research

Semester/Term Credits 3

Requirement
- Goal 8: General Education

Semester/Term Credits 3

Requirement
- Mathematics 300-499

Semester/Term Credits 3

Requirement
- Elective (Generic)

Semester/Term Credits 3

Requirement
- CS421 - Computer Science capstone II
  OR
- CS Technical Elective (Generic)

Semester/Term Credits 3

Strategic Defense Policy

Program Details

Simple Requisites

Strategic Defense Policy Requirements
Type
Completion Requirement

Certificate Requirements

-

Complete ALL of the following Courses:
- NT510 - Strategy and Policy
- MH552 - Total War

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Strategic Studies Programs

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Evaluate current trends and past examples of strategic policy successes and failures

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Critically analyze, reflect on and synthesize complex information relating to the conduct of strategy and military operations

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Analyze strategic concepts and knowledge to practical, contemporary problems using case studies from global environments

Justification
-

Admission Criteria

- A minimum of an awarded bachelor's degree from an accredited undergraduate institutions
- A score of 550 or higher on the TOEFL (or equivalent on the computer-based version) for students whose primary language is not English
- Personal statement outlining career objectives, and suitability for graduate study and online study, and reasons for undertaking graduate work
- Résumé or curriculum vitae

Race, Gender, the Military, and the Constitution

Program Details

Simple Requisites

Race, Gender, the Military, and the Constitution Requirements
Type
Completion Requirement

Certificate Requirements

-

Complete ALL of the following Courses:

- HI538 - Race, Gender, and the U.S. Constitution
- MH551 - Race and Gender in Military History

-

Program Delivery
Online Program

Degree Designation
Certificate Graduate

Program Level
Graduate

Program Type
Certificate

College
College of Graduate & Continuing Studies

School/Department(s)
Military History & History

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate a graduate level understanding of the historiographies of race and gender

Justification
-

Name
-

Tags
-

Activity
-

Assessment
-

Outcome
Demonstrate a graduate level ability to use constructions of race and gender as analytical lenses in evaluating historical interpretations

Justification
-

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Demonstrate the ability to perform graduate level historical research using primary (first-hand) sources	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Demonstrate the ability to provide analysis, synthesis, argument, and significance (ASAS) through effective, graduate level writing and at the highest levels of cognition in Bloom's taxonomy	**Justification** -

Name	Tags
-	-
Activity	**Assessment**
-	-
Outcome	
Demonstrate a graduate level skills in applying historical methods to analyses of race and gender in military and legal contexts	**Justification** -

Admission Criteria
-

All Courses

AC188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AC201 - Introduction to Accounting and Financial World

Course Overview

Description
A survey course of the basics of accounting and financial reporting and its use in communicating and evaluating a business entity's financial condition and performance. Commencing with the basic accounting equation, students learn how the financial transactions entered into by a business entity are captured, organized and summarized to reflect their impact on the financial position of the entity. Students also learn the contents and structure of the basic financial statements used to communicate the financial position, results of operation, and cash flows of the entity to both internal and external stakeholders. In addition, students will learn about available optional choices in the accounting treatment of certain items and the ramifications of those choices on financial reporting. Finally, student are exposed to basic financial statement analysis tools used to determine relative financial strengths and weaknesses of the entity. 3 Lecture hours. Not open to Management and Accounting majors. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

AC205 - Principles of Accounting-Financial

Course Overview

Description
Introduction to accounting principles including the recording of business transactions through the accounting cycle, from journal entry, posting, adjusting and closing entries through work papers and preparation of financial statements is studied. Related topics include internal control, receivables and payables, the control of cash transactions, inventories, depreciation, intangible assets and payroll accounting. Ethical business practices and client privacy issues are stressed throughout all phases of the course. 3 Lecture hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

AC206 - Principles of Accounting-Managerial

Course Overview

Description
The completion of the study of financial accounting and an introduction to and emphasis on managerial accounting. Topics covered include: job-costing, activity-based costing, master budgeting, capital budgets, standard costs and variances and strategic performance measurement. 3 Lecture hours. Prerequisite: AC 205. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

AC288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AC335 - Intermediate Accounting I

Course Overview

Description
Building on the foundations of Principles of Accounting the course provides a more in-depth study of accounting theory and practice. Beginning with a brief review of the accounting process, the course delves into the conceptual framework for accounting, the accounting standards setting process, and the hierarchy of accounting pronouncements. The course then explores the components of the financial statement package including such issues as the quality of earnings and the measurement and reporting of unusual, infrequent, and non-operating items; the Statement of Cash flows is also studied in depth. Accounting, reporting, and valuation issues surrounding cash, receivables, inventory and long-term assets are also covered including the impairment of tangible and intangible assets. Prerequisite: AC 205 and AC 206, grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

AC336 - Intermediate Accounting II

Course Overview

Description
A continuation of the in-depth study of accounting theory and practice begun in Intermediate Accounting I. The course addresses the valuation, accounting, and reporting of both short and long-term investment securities, current and contingent liabilities, notes and bonds payable, and shareholders' equity. In addition, the accounting for leases, income taxes, pensions, stock-based compensation, earning per share, and accounting changes are also studied. Prerequisite: AC 335 or AC 205 and AC 206, grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

AC388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AC400 - Data Analytics for Accountants

Course Overview

Description
This course is designed to introduce accounting data analytics to students. It will cover material at the intersection of accounting, data analytics, information systems management and dquantitative management. Development and application of the strategies, methods and techniques used in data mining, predictive analytics and other decision support functional areas of accounting. 3 Lecture hours. Prerequisite: AC 336. Offered Spring, Fall.

Semester Credits

	Maximum Variable Credits:
3	-

AC419 - Taxation I

Course Overview

Description
Designed to introduce the student to certain elementary tax concepts: tax rate structure, exemptions, deductible versus non-deductible expenses, depreciation basis, capital gains and losses, tax credits, withholding, and computation of the personal income tax. Within the context of the personal income tax, planning considerations will be stressed as well as legal and ethical issues concerning client confidentiality. Prerequisites: AC 205 and AC 206, grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

AC420 - Advanced Federal Income Tax

Course Overview

Description
This course is designed to provide students with a solid understanding of the U.S. Federal Tax System as it relates to property transactions of business owners and shareholders. Topics include cost recovery; depreciation, amortization and depletion, realized versus recognized gains and losses, adjusted-basis considerations, non-taxable transactions; like-kind exchanges, involuntary conversions and sale of primary residence and the netting process for gains and losses. 3 Lecture hours. Prerequisite: AC 336. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

AC428 - Auditing

Course Overview

Description
A study of the auditing environment, including legal liability and professional ethics begins with the concept of auditing and the auditing profession. Additional topics concerning the audit process, including internal control, evidence, sampling and EDP auditing and specific audit procedures are examined. In addition the nature and types of auditors' reports are studied. 3 Lecture hours. Prerequisite: AC 336

Semester Credits

	Maximum Variable Credits:
3	-

AC430 - Governmental and Not-for-Profit Accounting

Course Overview

Description
This course is designed to provide students with a solid understanding of the financial reporting and accounting principles used in governmental and not-for-profit entities. Topics include, but are not limited to, fund accounting, city government accounting, state government accounting, special funds, budgetary accounting for the general and special revenue funds, fiduciary funds and government-wide statements, university accounting, accounting for community foundations, not-for-profit accounting and auditing not-for-profit entities. 3 Lecture hours. Prerequisite: AC 336. Offered: Spring, Fall.

Semester Credits

	Maximum Variable Credits:
3	-

AC441 - Cost Accounting

Course Overview

Description
A study of the basic elements of cost accounting concepts and procedures. Emphasis is on how cost data can be used as management tools. Cost behavior and control, cost-volume-profit relationships, job and process costing, activity-based accounting, budgeting and responsibility accounting, flexible budgeting and standards, income effects of alternative costing methods and cost behavior, costs and the decision process, and philosophy and organization of the master budget are analyzed. Prerequisite: AC 206

Semester Credits

	Maximum Variable Credits:
0	3

AC442 - Advanced Accounting

Course Overview

Description
An advanced course emphasizing accounting theory and practical applications in selected areas. Such areas include: partnerships, branches, business combinations, consolidated financial statements, segment and interim reporting, Partnership accounting and bankruptcy accounting. 3 Lecture hours. Prerequisite: AC 336. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

AC450 - Internship in Accounting

Course Overview

Description
The internship program is designed for students who want to apply their studies by working in a public accounting firm or in private accounting within a business, industry, or public agency. The student will be required to work closely with a faculty supervisor to develop and implement a structured experience tailored to the career goals of the student. Prerequisites: Junior or higher standing. Permission of Department Chair and Internship Committee.

Semester Credits

	Maximum Variable Credits:
3	-

AC488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AC499 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

AC588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ACCT188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ACCT288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ACCT388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ACCT488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

AD188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

AD288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

AD388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

AD488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

AD511 - Foundations of Public Administration and Policy

Course Overview

Description
This course introduces students to public administration in the United States. The course focuses on governance, inter-governmental relationships, organizational theory, policies, and strategic planning as affected by fiscal constraints, public needs, social change and politics. Students are introduced to the role of leadership, the necessity for professional ethics and accountability, and personal competence. Students also begin the program-long requirement of developing their skills of critical analysis, research, integration of information, and effective writing.

Semester Credits

6

Maximum Variable Credits:
-

AD518 - Criminal Justice Administration

Course Overview

Description
An introduction to the principles of public administration as they are applied in the operation of criminal justice agencies. This course will emphasize how such topics as organization, decision making, leadership style, personnel policy, planning, and budgeting are specifically adapted by criminal justice administrators to meet the needs of their agencies. Simulations will be used extensively as a tool for mastering administrative principles. Restricted to students in the accelerated program. Prerequisite: CJ 101. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

AD519 - Research Applications

Course Overview

Description
A course dedicated to intensive research and analysis of major issues in criminal justice. Emphasis will be placed on critical thinking and evaluation of topics previously discussed during the student's academic career in the criminal justice program. Attention will also be given to professional development topics, ethics and criminal justice policy. Restricted to students in the accelerated program. AD 519 meets capstone requirement. Students not permitted to earn credit for both CJ 410 and AD 519. Prerequisite: Junior or higher. Criminal Justice major. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

AD521 - Public Administration Research and Analysis

Course Overview

Description
This course reviews major research method designs and their application to policy development and evaluation. Students are also exposed to statistical techniques commonly found in public administration and social science research from the perspective of managerial control and application to evaluation of research design/program evaluation. Particular focus is placed on quality assurance and best- evidence management.

Semester Credits

	Maximum Variable Credits:
6	-

AD531 - Public Organization Resources & Processes

Course Overview

Description
This course explores three areas of public administration; the legal environment for the public organization, human resources, and organizational leadership. The first part of the course focuses on creating agency authority, public participation, civil liability, employment law, and due process. The second part of the course focuses on selecting and retaining quality employees and managers, evaluations, coaching and training. The third part of the course focuses on strategic leadership, organizational analysis and culture, managing conflict, and organizational vision and change.

Semester Credits

	Maximum Variable Credits:
6	-

AD542 - Leading the Nonprofit Organization

Course Overview

Description
This course explores the broad scope of leadership responsibilities challenging senior leaders within the nonprofit sector. Among the topics to be studied are strategic planning, fundraising, stakeholder engagement, governance, marketing, and performance management. Students will also examine trends in social entrepreneurship and the use of technology, such as social media, that are transforming the field. The course focuses on developing flexible leadership skills that can be applied in a variety of settings, across the life cycle of both small and large scale nonprofit organizations.

Semester Credits

	Maximum Variable Credits:
6	-

AD552 - Nonprofit Administration

Course Overview

Description
This course of study focuses on the administration and management of tax-exempt organizations that derive their funding and mandates from individuals, foundations, and governmental sources. Topics include the legal framework of nonprofit organizations, organizational design, fiscal management, fundraising, grants, contracts, assessment and planning. Students will study best practices for leadership and management, nonprofit governance, and the effective use of volunteers. Finally, students will review the role of technology with special attention to information integration and assurance.

Semester Credits

	Maximum Variable Credits:
6	-

AD558 - Fiscal Management Accounting & Contracting

Course Overview

Description
This course explores the legal and regulatory foundation for financial reporting and accountability for public organizations. Topics include development of transactions, enactment of appropriations, and incurrence of obligations or encumbrances. Other topics include financial reporting, analysis of governmental financial performance, costing of government services, and auditing of governmental organizations. For course readings students are provided current study guides published by the Association of Government Accountants Certified Government Financial Manager, designed specifically to prepare professionals and students for the CGFM certification examination.

Semester Credits

	Maximum Variable Credits:
6	-

AD559 - Fiscal Management Finance/Tax & Budgeting

Course Overview

Description
This course introduces students to four major areas of financial concern: Preparation of budgets; creating management strategies for the organization based on the principles of strategic financial management; obtaining financial resources from issuing bonds and levying taxes; and managing cash and employee retirement funds. Students will also examine contemporary perspectives on professional ethics and ethical behavior by leaders in the public sector especially in regards to their fiduciary responsibility in investing and managing public funds.

Semester Credits

	Maximum Variable Credits:
6	-

AD568 - Government Procurement and Contract Management

Course Overview

Description
Examines the scope, methods, and processes of forming contracts between public and private parties for the purpose of accomplishing the missions of governmental agencies at the international, federal, state/provincial and local level. Designed for individuals considering a career in public administration, persons employed in government agencies, public procurement personnel wishing to enhance their knowledge, and suppliers or citizens interested in learning more about the formulation of government contracts. Subject and foundational areas such as planning, ethics, and of the legal basis of the public procurement function will be examined and explored.

Semester Credits

	Maximum Variable Credits:
6	-

AD576 - Foundations of Leadership and Ethical Decision Making

Course Overview

Description
This course introduces students to the fundamentals of management and leadership in public administration. The course explores major models of leadership from a theoretical, ethical, and practical perspective. Students in this course will gain an understanding of major leadership theories by examining the basis of each theory, evaluating their strengths and weaknesses, and learning how to apply the theory to practical situations in public administration and nonprofit settings. These activities enable students to reflect on how they perceive leadership from both a subordinate and leadership perspective. By the end of this seminar, students will have developed a thorough understanding of leadership concepts, and will be able to apply them in their own leadership situations.

Semester Credits

	Maximum Variable Credits:
6	-

AD578 - Government Contract Management

Course Overview

Description
Students study the concepts of contract management beginning with crafting the Request for Proposal, (RFP) through contract negotiations, award, and management. Students gain knowledge of government contract management from both the government and the private sector industry perspective including all fields of procurement.

Semester Credits

	Maximum Variable Credits:
6	-

AD582 - Healthcare Management

Course Overview

Description
The course provides learners with managerial competencies, aggregated knowledge, skills and abilities, associated with quality management of healthcare nonprofit organizations. The learning outcomes emphasize competencies outlined and highlighted in the Healthcare Leadership Competency Model and the CPHQ Examination. AD 582 addresses all of the competencies outlined in the NCHL Health Leadership model, including: transformation, execution, and people. The seminar is designed to fully prepare the learner to successfully complete requirements for the professional certification of Certified Professional in Healthcare Quality. Among the main themes of the course are the following: organizational administration of health care facilities, financial management in health care, strategies and methodologies for effective health care planning, information systems planning and management in health care, health care economics, quality management in health care organizations, health care leadership, communications and marketing in the healthcare environment, healthcare quality management, including assessment tools and models and program improvement processes, knowledge and information management, human resource management in healthcare organizations, legal and regulatory issues and policies, and, professional ethics.

Semester Credits

	Maximum Variable Credits:
6	-

AD586 - Public Leadership, Crisis Management, and Organizational Change

Course Overview

Description
This course explores the role of leadership in public organizations by examining how leadership is intrinsically tied to the organization. Students will gain an understanding of how effective leaders articulate their leadership philosophy, how they embody the ideals and values of the organization, and how they motivate and reward their subordinates. The course also examines the role of leadership in crisis situations including how decisions are made and implemented, how information is communicated in critical situations, how political leaders are held accountable for crisis situations, and how communities can be returned to a state of normalcy after a critical incident has occurred.

Semester Credits

	Maximum Variable Credits:
6	-

AD588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AP111 - Fundamentals of Architecture

Course Overview

Description
Introduction to the basic principles and skills of architecture. A series of two and three dimensional graphic exercises is used to gain an understanding of architectonics, the intentional arrangement of space and enclosure to communicate human values while also introducing graphic techniques for communicating concepts and solutions. Prerequisite: None. 9 Studio hours. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
4	-

AP118 - Fundamentals of Architecture II

Course Overview

Description
A continuation of the fundamental processes and technologies of architecture. Students learn the design process, explores interactive computer graphics (CAD) as a design tool, and apply these principles, processes, and skills to an architectural design problem. 9 Studio hours. Prerequisite: AP 111. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
4	-

AP188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AP211 - Architectural Design I

Course Overview

Description
The first in a sequence of design studio courses introducing the processes, judgment, and communications involved in the synthesis of architectural form. The influences of the human and physical contexts on form are explored. 12 Studio hours. Prerequisite: AP 118. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
5	-

AP212 - Architectural Design II

Course Overview

Description
Second semester in a sequence of design studio courses emphasizing the processes, judgment, and communications involved in the synthesis of architectural form. The influences of functional requirements on form are explored. 12 Studio hours. Prerequisite: AP 211. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
5	-

AP215 - Building Information Modeling for Architects

Course Overview

Description
For the architect, Building Information Modeling (BIM) is a powerful instrument for integrating technical qualities with poetic qualities in the earliest stages of schematic building design. This is a hands-on course that introduces a curated playlist of introductory BIM tutorials that provide the fundamental methodology, skills and knowledge base to further develop a comprehensive understanding of BIM. Significant areas of focus include sketch-modeling, schematic level daylighting and environmental analysis, development of building component 'families' and bidirectional associativity. 1 Lecture hour both summer and fall semester. Offered: Summer, Fall

Semester Credits

	Maximum Variable Credits:
1	-

AP216 - Digital Media in Architecture

Course Overview

Description
This course introduces students to essential software applications used in contemporary architecture and design practice, focusing on 2D and 3D modeling, building information modeling (BIM) and parametric design. Through practical exercises and case studies, students will develop proficiency in industry-standard software enabling them to solve design challenges and effectively communicate design intent. Topics include Introductory Digital Modeling, Building Information Modeling and Parametric Design/Procedural Modeling. Supplemental materials explore the intersection of technology and architecture. By the course's end, students will possess a foundational skill set to create and manipulate 3D models, BIMs and parametric designs vital to modern architectural practice. Prerequisite: AP 118. Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

AP221 - Site Development and Design

Course Overview

Description
Course addresses engineering principles and design considerations involved with site design. Earth shaping, drainage, roadway alignment, parking lot layouts, code requirements and environmental factors are studied prior to and after design changes. 2 Lecture hours. 2 Studio hours. Prerequisite: AP 118 or Permission of Instructor. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
0	3

AP225 - Introduction to Passive Environmental Systems

Course Overview

Description
Introduction to the impacts of environmental energies on architectural form. Emphasis is on the processes architects orders light, climate, gravity, and sound responses to achieve building geometry. Also addressed are concepts and strategies for responding to environmental hazards, and designing healthy buildings and green architecture. 3 Lecture hours. Prerequisite: AP 118 or CE 105. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

AP244 - Building Resilience: Social and Environmental Justice in our Built Environment

Course Overview

Description
Social and Environmental Justice in our Built Environment is a transdisciplinary course introducing the shared responsibility by all of us for creating a more resilient built environment. Students learn terms and policies concerning anthropometric data, ergonomics, proxemics and expand their understanding of barrier-free design within multiple contexts. The course covers areas of psychology, sociology and the physical factors influencing the creation of our built environment. With our lives spent almost always inside an enclosure, understanding how the built environment has developed over time within diverse cultures can help solve climate change and social and income inequalities within marginalized communities. Course material is synthesized and applied to demonstrate critical thinking, experiential learning, research and writing, understanding primary and secondary sources and discerning essential texts and authors in areas of concern, teamwork, creativity and leadership. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

AP288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	8

AP311 - Architectural Design III

Course Overview

Description
The development of the comprehensive building process as a synthesis of spatial, functional, and contextual concerns with emphases on building systems and materials are discussed. Individual and group problems, of a limited and defined scope are explored. 12 Studio hours. Prerequisites: AP 212, AP 325. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
5	-

AP312 - Architectural Design IV

Course Overview

Description
The fourth course in the design studio sequence continues the development of a comprehensive building design process with problems of complex, but limited scope. The synthesis of spatial, functional, and contextual concerns, as directly linked to the understanding and employment of building systems, continues to provide a framework. 12 Studio hours. Prerequisite: AP 311. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
5	-

AP325 - Materials, Construction, and Design

Course Overview

Description
Construction materials and systems are evaluated, selected, incorporated, and detailed in building design. Both measurable and immeasurable design responses to environmental energies are explored in soils, concrete, masonry, wood, and metals. 3 Lecture hours. Prerequisite: AP 225. Offered Spring

Semester Credits

	Maximum Variable Credits:
3	-

AP327 - Active Building Systems I

Course Overview

Description
A survey of contemporary mechanical building equipment and systems, including heating, ventilation and air conditioning. Emphasis on comparisons of design parameters, interfaces, and impacts on overall building form. Energy efficiency is addressed. 3 Lecture hours. Prerequisite: AP 225; MA 107 or Math Placement beyond MA 107. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	3

AP328 - Active Building Systems II

Course Overview

Description
A continuation of Active Building Systems, surveying contemporary electrical, lighting, and plumbing equipment and systems. Emphasis on comparisons of design parameters, interfaces, and impacts on overall building form. Energy efficiency and building codes are addressed. 3 Lecture hours. Prerequisite: AP 225, MA 107 or Math Placement beyond MA107. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

AP388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AP403 - Architectural Seminar in History and Theory

Course Overview

Description
Focuses on one or more topics regarding the historic and philosophical contexts that influence architecture today. Topics range from the study of specific historic periods design to the diverse trends in current architectural thinking. This course may be repeated three times for credit. 3 Lecture hours. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

AP411 - Architectural Design V

Course Overview

Description
The extension of the comprehensive design includes problems of an expanded scope and large scale, including building complexes and urban design. Individual and group problems emphasize of environmental factors, human concerns, and architectural form. A design portfolio, covering all seven semesters of studio work, including a written paper, is required. 12 Studio hours. Prerequisite: AP 312. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
5	-

AP412 - Architectural Design VI

Course Overview

Description
The extension of the comprehensive design process to include problems of expanded scope and large scale, including building complexes and urban design. Individual and group problems emphasize the complex interrelationships of environmental factors, human concerns, and architectural form. 12 Studio hours. Prerequisite: AP 312. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
5	-

AP414 - Architectural Seminar In Design

Course Overview

Description
Investigates one or more specific concepts, issues, or topics related to architectural design and its associated disciplines, such as urban, landscape, interior, and visual design. Requires a graduate level paper or project. Permitted to be repeated once under a different topic. 3 Lecture hours. Prerequisite: Permission of Instructor. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
3	-

AP424 - Architectural Seminar in Technology

Course Overview

Description
Focuses on one or more of the specific issues, topics, or skills related to technologies in architecture today. Topics range from advanced materials and construction systems to energy-conserving design; from environmental issues to hands-on building experiences. Permitted to be repeated once under a different topic. Cross-listed with AP 520; not permitted to earn credit for both AP 424 and AP 520. 3 Lecture hours. Prerequisite: AP 325. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

AP431 - Design Thinking and Innovation

Course Overview

Description
Examines creativity as the ability to turn ideas into action in development, management, evolution, and broad context of emerging technologies and associated ventures. Students gain an understanding of the key tenets of design thinking and a sense for ways they can incorporate them into their work using visual brand languages for emerging technologies, foundation exercises in creativity, and case studies based on pivotal products from the past 50 years. This course is cross-listed with EG 400 and students cannot earn credit in both courses. Prerequisite: Sophomore or higher. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

AP434 - Architectural Seminar in Process

Course Overview

Description
Focuses on one or more specific topics regarding the current and future practice of architecture: what architects do, and how they do it. Topics range from design techniques to office management and from specialties within the practice, to the legal environmental, and social forces that influence it. Permitted to be repeated once under a different topic. 3 Lecture hours. Restriction: Permission of Instructor. AP 434 is cross listed with AP 534 and cannot earn credit for both classes. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

AP436 - Project Delivery and Documentation

Course Overview

Description
Relationships between the formal methods of project delivery and the architectural office are discussed. The project delivery process and the methods of communication and the documentation involved provide a detail study of typical office procedures. The studio component provides practical experience of the typical project delivery process. Student learn communication is multi-layered acting as a foundation for the production of contemporary architecture. Various tools ranging from computer aided design to conceptual organization schema in both the practice of typical architectural project delivery and the development of new means of communication and production are used. 2 Lecture hours. 4 Studio hours. Restriction: Restricted to Architecture Studies majors, Architecture Studies minors. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
0	4

AP455 - Special Projects in Architecture

Course Overview

Description
An execution of a student-selected project related to architectural design, history/theory, process, or technology focuses on in-depth independent research, development, and a formal written and/or graphic presentation of an architecturally-related topic not otherwise covered in course offerings. The student must secure a faculty member who will agree to serve as advisor/evaluator for the project. Number lecture hours based on credits sought. This course may be repeated up to 9 credits. Prerequisite: Junior or higher; Architecture studies major. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
1	3

AP488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AP504 - Architectural Seminar in History and Theory

Course Overview

Description
Focuses on one or more specific issues and topics regarding the historic and philosophical contexts that influence architecture today. Topics range from the study of specific historic periods or schools of thought regarding design to the diverse trends in current architectural thinking. Requires a graduate-level paper or project. This course may be repeated no more than six times for credit. 3 lecture hours. Prerequisites: FA 202, FA 308 Master in Architecture major. Cross listed with AP403. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
0	3

AP514 - Architectural Seminar in Design

Course Overview

Description
Investigates one or more specific concepts, issues, or topics related to architectural design and its associated disciplines, such as urban, landscape, interior, and visual design. Requires a graduate level paper or project. This course may be repeated no more than six times for credit. 3 Lecture hours. Prerequisite: Permission of Instructor. Cross listed with AP 414. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
3	-

AP520 - Architectural Seminar in Technology

Course Overview

Description
Focuses on one or more of the specific issues, topics, or skills related to technologies in architecture today. Topics range from advanced materials and construction systems to energy-conserving design from environmental issues to hands-on building experiences. Requires a graduate level paper or project. This course may be repeated no more than six times for credit. 3 Lecture hours. Cross listed with AP 424. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
0	3

AP525 - Architectural Thesis Research

Course Overview

Description
The course is independent research to display a mastery of defining an architectural problem, including the investigation and discussion of the procedural, physical, and intellectual limits of this problem. The course culminates with the publication of an architectural program and a theoretical statement as well as the generation of all contextual information and design strategies as the basis for AP 526. 12 Studio hours. Prerequisite: Permission of Instructor. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
5	-

AP526 - Architectural Thesis

Course Overview

Description
Execution of a singular design or design-related project based on independent research and preliminary design work produced in AP 525 and of sufficient depth and breadth to display a mastery of design skills and comprehensive understanding of the architectural issues related to form, process, judgment, representation, and communication. The work is done under the guidance of a thesis advisor chosen by the student. 12 Studio hours. Prerequisite: AP 525, Grade of C or higher. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
5	-

AP531 - Architectural Internship

Course Overview

Description
This course is a bridge between academic experience and professional practice. The learning experience moves in both directions. Students apply knowledge learned in the classroom to bring practical experience. Students secure a position with an architectural, or an architecturally-related/construction-related, firm for a period of at least eight weeks. The firm must be willing to submit periodic and final evaluations of the student's performance. Students must maintain a journal and write a paper related to professional practice. 6 Lecture hours. Prerequisite: Master in Architecture major. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
6	-

AP533 - Professional Practice

Course Overview

Description
Investigation into the issues related to the professional practice of architecture in contemporary American society. Topics include project management, finance and economics; business and practice management; and laws and regulations governing the profession. 3 Lecture hours. Prerequisite: Master in Architecture major. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
0	3

AP534 - Architectural Seminar in Process

Course Overview

Description
Focuses on one or more specific topics regarding the current and future practice of architecture: what architects do, and how they do it. Topics range from design techniques to office management and from specialties within the practice, to the legal environmental and social forces that influence it. This course may be repeated up to six times for credit. 3 Lecture hours. Requisite: Permission of Instructor and Master in Architecture major. Cross listed with AP 434. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
0	3

AP555 - Special Projects in Architecture

Course Overview

Description
An execution of a singular project related to architectural design, history/theory, process or technology selected by the individual student. Students, independently research, development, and a provide a written and/or graphic presentation of an architecturally-related topic not otherwise covered in course offerings. Students must secure a faculty member who agrees to serve as advisor/evaluator for the project. Number lecture hours depends on the credits sought. Prerequisite: Master in Architecture major. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
1	3

AP558 - Contemporary and Global Issues

Course Overview

Description
This course provides an in-depth analysis, discussion, and research into contemporary issues that impact the profession of architecture and architectural design. The nature of the material is relevant to the complex, changing nature of the profession. Topics include global concerns such as sustainability, cultural changes, conservation and preservation, information technology, and the emerging role of the architect. The course reflects the values embodied in the profession, the architecture program, and the university. Course material is synthesized and applied to demonstrates critical thinking, teamwork, creativity and community service. 3 Hours of seminar. Prerequisite: Master in Architecture major. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
0	3

AP588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AP604 - History & Theory of 20th-Century Architecture

Course Overview

Description
Surveys global architectural history and theory from the 1920s through the 1980s, including modernism and its variants, receptions, reactions, and critiques. Introduces architectural criticism and research methods for the built environment. Includes case studies, substantial research and writing, and discussion of texts in seminar format. 3 Lecture hours. Courses do not need to be taken sequentially. Restriction: MArch III majors.Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

AP605 - Analysis of Architectural Icons

Course Overview

Description
Students study and analyze select examples from architectural history and theory (pre-history through the early decades of the 20th century). Students achieve a global and comparative familiarity with a representative range of buildings, urban forms, and major aspects of architectural culture. Emphasis is on understanding and applying the core concepts and analytical tools relevant for architectural discourse and interpretation. 3 Lecture hours. Restriction: MArch. III majors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

AP611 - Architectural Design I

Course Overview

Description
Students learn and practice the basic principles and skills that constitute the discipline of architecture. Students investigate the design process and urban analysis, explore interactive computer graphics (CAD) as a design tool, and apply these principles, processes, and skills to an architectural design problem. 1 Lecture hour. 12 Studio hours. Restriction: MArch III majors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	5

AP612 - Architectural Design II

Course Overview

Description
The second Masters level design studio course introduces the processes, judgment, and communications involved in the synthesis of architectural form. Through a focused series of individual and group projects, students explore and understand the influences of human and physical contexts as well as functional requirements on architectural form. One hour of lecture and three 4-hour studios per week. 1 Lecture hour. 12 Studio hours. Restriction: MArch III majors. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	5

AP613 - Architectural Design III

Course Overview

Description
The development of the comprehensive building process at the graduate level as a synthesis of spatial, functional, and contextual concerns with emphases on building systems and materials. Individual and group problems are of a limited and defined scope. 1 Lecture hour. 12 Studio hours. Prerequisite: AP 612 Architectural Design II MArch. Restriction: MArch III majors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	5

AP614 - Architectural Design IV

Course Overview

Description
Elective problem-oriented studios offered to fourth year students by various faculty members. The extension of the comprehensive design process to include problems of expanded scope and large scale, including building complexes and urban design. Individual and group problems emphasize the complex interrelationships of environmental factors, human concerns, and architectural form. 1 Lecture hour. 12 Studio hours. Prerequisite: AP 613 Architectural Design III MArch. Restriction: MArch III majors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	5

AP621 - Site Development and Design

Course Overview

Description
Students learn the engineering principles and design considerations involved with site design. Earth shaping, drainage, roadway alignment, parking lot layouts, code requirements and environmental factors are studied prior to and after design changes. 2 Lecture hours. 2 Studio hours. Restriction: MArch III majors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	3

AP625 - Introduction to Passive Environmental Design

Course Overview

Description
Through coordinated lectures, demonstrations, and projects, the impacts of environmental energies on architectural form and the greater environment are introduced and explored. Emphasis is given to the processes by which the architect orders light, climate, gravity, and sound responses to achieve building geometry. The course also addresses concepts and strategies for responding to environmental hazards, and designing healthy buildings and green architecture. 3 Lecture hours. Restriction: MArch III majors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

AP626 - Materials, Design, and Construction

Course Overview

Description
An introduction to the processes by which construction materials and systems are evaluated, selected, incorporated, and detailed in building design. Both measurable and immeasurable design responses to environmental energies are explored in soils, concrete, masonry, wood, and metals. 3 Lecture hours. Restriction: MArch III majors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

AP627 - Active Building Systems

Course Overview

Description
A survey of contemporary mechanical building equipment and systems, including heating, ventilation and air conditioning. Emphasis is placed on comparisons of design parameters, interfaces, and impacts on overall building form. Energy efficiency is addressed. Students pursue independent research in support of coursework. 3 Lecture hours. Prerequisite: AP 625. Grade of B or higher. Restriction: MArch III majors. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

AP630 - Wood, Steel and Concrete Structures

Course Overview

Description
This course builds directly on the material learned in Statics and Mechanics of Materials and is specifically direct to the study of the response of structural systems to various loadings. Gravity and lateral loads as well as load combinations on a structure are developed using appropriate building codes. The response of the structural system to imposed loading is studied by classical and computer analysis techniques. This course introduces the students to applications; the design of simple structures of wood, steel, concrete and other materials that meet the appropriate building code. Students will create a design project at the graduate level that evidences a comprehensive and holistic understanding of structural engineering for architectural projects. 4 Lecture hours. Prerequisites: CE 351, AP 632 grade of B or higher. Offered: Spring.

Semester Credits

Maximum Variable Credits:

4

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AP632 - Statics and Mechanics Materials

Course Overview

Description

A study of elementary, primarily two dimensional engineering mechanics. Fundamental concepts and basic laws of statics, force systems, structures, and support reactions for loading patterns. Stress-strain relationships to forces: concepts and applications. Consideration of engineering materials and their suitability in various structures and mechanisms. Students will create a design project at the graduate level that evidences a comprehensive and holistic understanding of two dimensional engineering mechanics. 4 Lecture hours. Prerequisites: MA 107, PS 201. Offered: Spring

Semester Credits

Maximum Variable Credits:

4

-

AP636 - Project Delivery and Documentation

Course Overview

Description

This course introduces the basic history and theory of architectural programming, production and trends in the architectural office, including technology and sustainability. The project delivery process, and the methods of communication and documentation it involves, provides an opportunity for students to study typical office procedures. Students examine the professional conduct of architects as related to various ethical conundrums which present themselves during everyday practice. 4 Lecture hours. 2 Lab hours. Restriction: MArch III majors. Offered: Fall, Spring

Semester Credits

Maximum Variable Credits:

0

4

ARIN500 - Artificial Intelligence in Industry

Course Overview

Description

A case study course to gain experience in solving technical and business problems and applying fundamental skills needed for leadership roles in the age of Artificial Intelligence. The course begins with a level-set on terminology then introduces digital transformation, industry use cases, enterprise architecture and technology platforms, impacts of generative AI, data considerations, data governance, digital trust and ethics, and designing and evaluating analytics projects. Students act as AI subject matter experts, data strategists, and leaders, evaluating strategic opportunities while considering data and analytics options to solve digital transformation challenges. Students learn how to apply an incremental development process, create a digital strategy document, and address practical industry problems while considering the implications of AI.

Semester Credits

Maximum Variable Credits:

6

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ARIN510 - Unlocking the Power of Applied Artificial Intelligence

Course Overview

Description
A graduate-level, beginner-friendly course introduces the basics of Artificial Intelligence (AI). Students will learn core concepts, techniques, and applications of AI. The course covers both theory and practical uses, showing how AI, especially Machine Learning, can analyze data, make predictions, automate decisions, and solve problems in areas like cybersecurity and business intelligence. Student will work with Python programming, data analysis, machine learning algorithms, and deep learning frameworks through hands-on projects and assignments. The course also discusses the ethical issues and societal impact of AI. By the end of the course, student will gain the knowledge and skills to use AI methods in real-world situations. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
6	-

ARIN588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AS101 - The Foundations of the United States Air Force

Course Overview

Description
Basic introduction to the United States Air Force and Air Force Reserve Officer Training Corps. Topics: mission and organization of the Air Force, officership and professionalism, military customs and courtesies, Air Force opportunities, group leadership problems and communication skills. Corequisite: Students pursuing an Air Force commission must also register for AS 101 LL1 (which includes 2 hours of Leadership Laboratory and up to three hours of Physical Training, weekly). 1 Lecture hour. Prerequisite: Freshman, Sophomore status.

Semester Credits

	Maximum Variable Credits:
0	1

AS102 - The Foundations of the United States Air Force

Course Overview

Description
A continuation of AS101, introducing the United States Air Force and Air Force Reserve Officer Training Corps. Topics: mission and organization of the Air force, officership and professionalism, military customs and courtesies, Air Force opportunities, group leadership problems and communication skills. Corequisite: Students pursuing an Air Force commission must also register for AS 102 LL1 (which includes 2 hours of Leadership Laboratory and up to three hours of Physical Training, weekly). 1 Lecture hour. Prerequisite: AS 101 (or equivalent), Grade of C- or higher. Prerequisites: Freshman, Sophomore status.

Semester Credits

	Maximum Variable Credits:
0	1

AS188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AS199 - Aerospace Science Pilot Ground School

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	6

AS201 - The Evolution of USAF Air and Space Power

Course Overview

Description
A focus on the history of airpower and the military doctrine for its employment. Topics: Air Force heritage, Air Force leaders, general aspects of air and space power and communication skills. Corequisite: Students pursuing an Air Force commission must also register for AS 201 LL1 (which includes 2 hours of Leadership Laboratory and up to three hours of Physical Training, weekly). 1 Lecture hour. Prerequisite: Sophomore status, and AS 102 (or equivalent), Grade of C- or higher.

Semester Credits

	Maximum Variable Credits:
0	1

AS202 - The Evolution of USAF Air and Space Power

Course Overview

Description
A continuation of AS 201, focusing on the history and uses of airpower through the late 20th century and into the 21st century. Topics: airpower doctrine and strategy, and communication skills. Corequisite: Students pursuing an Air Force commission must also register for AS 202 LL1 (which includes 2 hours of Leadership Laboratory and up to three hours of Physical Training, weekly). 1 Lecture hour. Prerequisite: AS 201 (or equivalent), Grade of C- or higher. Sophomore status.

Semester Credits

	Maximum Variable Credits:
0	1

AS288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AS311 - Air Force Leadership Studies

Course Overview

Description
A study of leadership and management fundamentals, professional knowledge, ethics and communication skills required of an Air Force officer. Corequisite: Students pursuing an Air Force commission must also register for AS 311 LL1 (which includes 2 hours of Leadership Laboratory and up to three hours of Physical Training, weekly). 3 Lecture hours. Prerequisite: AS 202, Grade of C- or higher.

Semester Credits

	Maximum Variable Credits:
0	3

AS312 - Air Force Leadership Studies

Course Overview

Description
A continuation of AS 311 focusing on leadership and management fundamentals, professional knowledge, ethics and communication skills. Corequisite: Students pursuing an Air Force commission must also register for AS 312 LL1 (which includes 2 hours of Leadership Laboratory and up to three hours of Physical Training, weekly). 3 Lecture hours. Prerequisite: AS 311, Grade of C- or higher.

Semester Credits

	Maximum Variable Credits:
0	3

AS388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

AS411 - National Security Affairs/Preparation for Active Duty

Course Overview

Description
Examines the national security process, regional studies, advanced leadership ethics and Air Force doctrine. Topics: officership as a profession, military justice, civil-military relations, preparation for active duty and current issues affecting the military profession. Corequisite: Students pursuing an Air Force commission must also register for AS 411 LL1 (which includes 2 hours of Leadership Laboratory and up to three hours of Physical Training, weekly). 3 Lecture hours. Prerequisite: AS 312, Grade of C- or higher.

Semester Credits

	Maximum Variable Credits:
0	3

AS412 - National Security Affairs/Preparation for Active Duty

Course Overview

Description
A continuation of AS 411 focusing on the national security process, regional studies, advanced leadership ethics and Air Force doctrine. Topics: officership as a profession, military justice, civil-military relations, preparation for active duty and current issues affecting the military profession. Corequisite: Students pursuing an Air Force commission must also register for AS 412 LL1 (which includes 2 hours of Leadership Laboratory and up to three hours of Physical Training, weekly). 3 Lecture hours. Prerequisite: AS 411, Grade of C- or higher.

Semester Credits

	Maximum Variable Credits:
0	3

AS488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ASL121 - American Sign Language I

Course Overview

Description
Students progress along the first steps towards acquiring basic communication skills in American Sign Language including interpersonal, interpretive and presentational. A comparative approach to the beliefs, values and attitudes between Deaf and Hearing communities and cultures is emphasized. For students with little or no previous exposure to sign language. 4 Lecture hours. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
4	-

ASL122 - American Sign Language II

Course Overview

Description
Students continue progress and development toward higher skill levels in basic American Sign Language including enhanced social interactions, detailed descriptions and more in-depth conversational communication. 4 Lecture hours. Prerequisite: ASL 121. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
4	-

ASL205 - Intermediate ASL

Course Overview

Description
Students will continue to develop expressive and receptive competence in using American Sign Language to fulfill various communicative functions, such as making and responding to inquiries, constructing and comprehending narratives, and engaging in debates. Students will continue to expand their ASL lexicon. Students are enabled to enter into full discussion of topics that include abstract themes. Deaf Culture will remain to be a significant part of this course. Prerequisite: ASL 122. Offered: Fall, Spring.

Semester Credits

Maximum Variable Credits:

3

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ASL206 - Intermediate ASL II

Course Overview

Description

Students will continue to develop receptive and expressive skills, finger spelling, vocabulary building, grammatical structures, encouraging more extensive use of non-manual behaviors, classifiers, body postures, and signing space. Students will continue to be exposed to regional and ethnic sign variations and political and educational institutions of Deaf people. The course will involve intensive practice involving expressive and receptive skills in storytelling and dialogue. Students are enabled to enter into full discussion of topics that include abstract themes. ASL poetry and art will be featured as culture in this course. Prerequisite: ASL 205. Offered: Fall, Spring.

Semester Credits

Maximum Variable Credits:

3

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ASL299 - Pilot Course

Course Overview

Description

A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

Maximum Variable Credits:

0

3

ASL301 - Advanced ASL I

Course Overview

Description

Students will continue to develop syntactic competence in American Sign Language with particular attention to the use of ASL in formal discourse. Students will continue to focus on lexical semantics and semantic equivalents for multiple meaning English lexical items. Idioms and slang will be introduced including a comparison to idioms/slang used in the English language. Culture will remain to be a significant part of this course. Prerequisite: ASL 206.

Semester Credits

Maximum Variable Credits:

3

-

ASL302 - Advanced ASL II

Course Overview

Description

Students will continue to develop and refine American Sign Language competence in various discourse settings, predominantly formal and consultative. Students will continue to develop lexical semantics and use individual diagnostic assessment of ASL competence to determine individual competency goals. Culture will remain to be a significant part of this course. Prerequisite: ASL 301. Offered: Fall, Spring.

Semester Credits

Maximum Variable Credits:

3

-

BI101 - Principles of Biology I

Course Overview

Description
Designed for science majors, an introduction to biochemistry, cell structure, metabolism, and protein synthesis, as well as human anatomy and physiology. Dissection of living and preserved animals is required. Requisite: credit may not be earned in BI 122, eg. mutually exclusive. 3 Lecture hours and 2 Lab hours. Goal 4. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

BI102 - Principles of Biology II

Course Overview

Description
This course explores genetics, evolutionary theory, diversity of life on earth, history of life on earth, and ecology. Dissection of preserved animals is required. 3 Lecture hours and 2 Lab hours. Goal 4. Prerequisite: BI 101. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

BI122 - Concepts in Biology

Course Overview

Description
An introductory science course exclusively for non-science majors that aims to give students an appreciation of the major concepts and current topics in biology. Concepts include the scientific method, cell structures, photosynthesis, cellular respiration, genetics, evolution and ecology as well as human anatomy and physiology. Requisite: credit may not be earned in BI 101, eg. mutually exclusive. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

BI122L - Concepts in Biology Lab

Course Overview

Description
The laboratory component of an introductory science course exclusively for non-science majors that aims to give students an appreciation of the major concepts and current topics in biology. Concepts include the scientific method, cell structures, photosynthesis, cellular respiration, genetics, evolution and ecology as well as human anatomy and physiology. Corequisite: BI 122. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	-

BI188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

BI205 - Ecology

Course Overview

Description
Students study the interrelationships between organisms and the environment. Major concepts include evolution, ecosystem structure and function, community structure, species diversity, succession, interspecific and intraspecific relationships, competition, predation, behavior, population growth and regulation. 3 Lecture hours and 1 Lab-fieldwork hours. Prerequisite: One college-level math course, Biology major or Environmental Science major. Permission of Instructor.

Semester Credits

0

Maximum Variable Credits:
4

BI215 - Human Anatomy & Physiology I

Course Overview

Description
The first half of a two-semester course exploring human anatomy and physiology. Cellular metabolism, tissues, and the skeletal, muscle, integumentary, and nervous body systems are discussed. Dissection of preserved animals is required. 3 Lecture hours and 2 Lab hours. Offered: Fall, Summer

Semester Credits

0

Maximum Variable Credits:
4

BI216 - Human Anatomy & Physiology II

Course Overview

Description
The second half of a two-semester course exploring human anatomy and physiology. The endocrine, digestive, respiratory, circulatory, lymphatic (including the immune response), urinary, and reproductive body systems are discussed. Dissection of preserved animals is required. 3 Lecture hours and 2 Lab hours. Prerequisite: BI 215. Offered: Spring, Summer

Semester Credits

0

Maximum Variable Credits:
4

BI220 - Introductory Microbiology

Course Overview

Description
A survey of microbiology geared toward students with little or no prior coursework in biology, with emphasis on microorganisms of medical significance. Fundamentals of microbial structure, physiology, and control are considered along with the role of pathogenic organisms in the infection and disease processes. 4 credits: 3 Lecture hours and 2 lab hours (BI 220L). The final grade for the lab will be calculated with the lecture section. Cannot also earn credit for BI 320, i.e. mutually exclusive. Prerequisite: none. Corequisite: BI 220L. Offered: Spring.

Semester Credits

4

Maximum Variable Credits:
-

BI220L - Microbiology Lab

Course Overview

Description
Laboratory exercises are designed to provide facility in visualizing, staining, culturing, enumerating, isolating, maintaining, and identifying microorganisms. Lab is graded as Satisfactory/Unsatisfactory with the course grade points calculated into the lecture section of BI 220 or BI 320. A student with prior credit in BI 220 (4 credits) is not eligible to enroll into BI 220L. Corequisite: Either BI 220 or BI 320.

Semester Credits

	Maximum Variable Credits:
0	-

BI226 - Cell Biology

Course Overview

Description
A molecular level examination of the ultrastructure and function of the cytoplasm, intracellular components, cell membrane, extracellular structures and formation, and excretion of extracellular products. Recent molecular biology developments are stressed, including the implications for the biotechnology industry. The laboratory component includes state-of-the-art procedures and emphasizes hands-on experimental techniques. May require dissection of living animals. 3 Lecture hours and 3 Lab hours. Prerequisites: BI 101, CH 104. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

BI288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

BI299 - Topics in Biology

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

BI302 - Embryology

Course Overview

Description
A study of the fundamental principles of development through the establishment of the major organs and systems, exemplified in the laboratory by study of representative embryonic forms. May require dissection of living and preserved animals. 3 Lecture hours and 2 Lab hours. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
0	4

BI303 - Genetics

Course Overview

Description
The physical and chemical basis of inheritance, expression, and interaction of the hereditary units, linkage, and variation. The application of Mendelian principles to plants and animals. Consideration is also given to microbial and viral genetics, genetic engineering, and related topics. 3 Lecture hours and 2 Lab hours. Prerequisite: BI 102. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

BI304 - Physiology

Course Overview

Description
A study of the physiologic systems of humans and homeostatic feedback mechanisms that regulate the internal environment. Physical and chemical principles, cell physiology, with emphasis on homeostatic mechanisms and the study of functions of organ systems. 3 Lecture hours and 2 Lab hours. Prerequisites: BI 101, CH 104. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
0	4

BI309 - Biology for a Sustainable Future

Course Overview

Description
Students will learn how biological systems are being harnessed to prevent the depletion of natural resources while maintaining a high quiality of life for future generations. The course is organized into interdisciplinary units focused on the need to develop sustainable sources of food, shelter, water and energy. Students will learn the fundamental principles of ecology, genetics, botany and microbiology. This course is appropriate for science and non-science majors. The laboratory includes a service-learning component. 3 Lecture hours. 2 Lab hours. Offered: Spring odd years.

Semester Credits

	Maximum Variable Credits:
0	4

BI310 - Scientific Writing

Course Overview

Description
An introduction to scientific writing formats, with an emphasis on writing with clarity and effectiveness for audiences both in and outside of the field. Students will examine and practice several styles of scientific writing, including grant structure and grant writing, popular science writing, and primary research article structure. Prerequisite: WRIT 110 or WRIT 111. Offered: Spring, even years.

Semester Credits

3

Maximum Variable Credits:
-

BI320 - Microbiology

Course Overview

Description
A survey of microbiology geared toward students with prior coursework in genetics or cell biology with emphasis on microorganisms of medical and environmental significance. Covers fundamentals of microbial structure, physiology, molecular genetics, ecology, evolution and impact on humans. Current topics in microbiology are explored through scientific literature and media. 4 credits: 3 Lecture hours and 2 lab hours (BI 220L). The final grade for the lab will be calculated with the lecture section. Cannot also earn credit for BI 220, i.e. mutually exclusive. Prerequisite: Grade of D- or higher in BI 226 Cell Biology or BI 303 Genetics. Corequisite: BI 220L. Offered: Spring every other year.

Semester Credits

0

Maximum Variable Credits:
4

BI321 - Plant Development and Physiology

Course Overview

Description
Students in this course explore the relationship between plant structure and function to better understand how plants survive and thrive in different environments. An initial focus on plant anatomy, morphology, and growth will enable further comprehension of how plant bodies carry out physiological functions including photosynthesis, hydraulics, and reproduction. 3 lecture hours and 2 lab hours. Prerequisite: BI 101 or BI 122. Offered: Spring, every other year.

Semester Credits

0

Maximum Variable Credits:
4

BI330 - Immunology

Course Overview

Description
A course presenting the basic principles of immunology, including antigen-antibody characteristics, the role of the immune system in defense and disease, and the application of fundamental concepts in the development of new technologies and immunodiagnosis. 3 Lecture hours and 3 Lab hours. Prerequisites: BI 102 or BI 216 and 1 year of college chemistry. Offered: Spring, odd years.

Semester Credits

0

Maximum Variable Credits:
4

BI370 - Introduction to Neuroscience

Course Overview

Description
An interdisciplinary course introducing the structure and function of the mammalian nervous system. Topics include, neuronal development, sensory and motor systems, chemical control of the brain and behavior, and the underlying mechanisms of neurodegenerative disease. May require dissection of living animals. 3 Lecture hours and 2 Lab hours. Prerequisites: BI 101 and BI 215 or PY 230. Offered: Fall

Semester Credits

Maximum Variable Credits:

0

4

BI388 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

BI395 - Evolution

Course Overview

Description

Introduced to Darwinian and Non-Darwinian mechanisms of evolutionary change, a history of life in the context of contemporary biology, the evidence for evolution, and the analysis of ancestor-descendant relationships. 3 Lecture hours. Prerequisites: BI 102 and BI 303. Offered: Spring.

Semester Credits

Maximum Variable Credits:

3

-

BI399 - Pilot Course in Biology

Course Overview

Description

A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

Maximum Variable Credits:

0

4

BI401 - Senior Seminar

Course Overview

Description

The capstone course integrating reading, writing, speaking and critical thinking skills. It includes instruction in scientific writing, use of contemporary scientific biological literature, and library research techniques. Students prepare research papers on current topics using primary sources and give oral presentations to the department faculty. 3 Lecture hours. Prerequisites: Senior standing. Offered: Fall

Semester Credits

Maximum Variable Credits:

3

-

BI410 - Animal Behavior

Course Overview

Description
Students will learn about ethology, the study of behavior from a biological perspective. Topics include communication, sensory modalities, genetics, reproduction, predator-prey interactions, nervous system evolution, endocrinology, game theory and personality. Lectures are pared with discussions of primary research articles. The laboratory component of this course is student-driven research, including work in the field. 3 Lecture hours and 2 Lab hours. Prerequisite: BI 226 or PY 314. Offered: Fall odd years.

Semester Credits

	Maximum Variable Credits:
0	4

BI415 - Neuroanatomy

Course Overview

Description
The anatomy of the brain and nervous system, with an emphasis on human neuroanatomy is discussed in this course including gross and microscopic anatomy, with in depth treatments of physical and functional organization, and major neural pathways. 3 Lecture hours and 2 Lab hours. Prerequisite: BI 370. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
0	4

BI420 - Diseases of the Nervous System

Course Overview

Description
An in-depth study of the biological basis of neurological and psychiatric disorders. Topics include developmental disorders, impairments of higher function, and the underlying mechanisms of neurodegenerative disease. Drug development and other therapeutic treatment strategies are discussed. 4 Lecture hours. Prerequisite: BI 370. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
4	-

BI426 - Ecological Parasitology

Course Overview

Description
A broad overview of major groups of eukaryotic parasites with an emphasis on internal parasites important to human and veterinary health. In addition to covering the basic morphological and phylogenetic details of each group, focus is on how these parasites interact with and affect each other and their hosts. 3 Lecture hours and 3 Lab hours. Prerequisite: BI 205. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
0	4

BI440 - Reading and Research

Course Overview

Description
Independent study. BI 440 may be taken no more than twice, for 7 maximum credits. An approved topic, a brief outline of the research to be conducted and a signature from a biology mentor are submitted to the department chair prior to the seventh day of the term in which enrolled. Prerequisites: Junior or higher Biology major with 3.0 Cumulative GPA in biology courses. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	4

BI450 - Internship in Biology

Course Overview

Description
Internship in Biology; open to Biology majors. Seven maximum credits are allowed. Prerequisite: Instructor permission.

Semester Credits

	Maximum Variable Credits:
3	7

BI488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CE044 - Conference

Course Overview

Description
A scheduled weekly conference hour with the faculty and senior Civil engineering students for preparation of the Fundamentals of Engineering (FE) Exam. CE 044 is not required if the student has already passed the FE exam. 1 Lecture hour. Prerequisite: Senior Standing. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
0	-

CE105 - Civil Engineering Applications

Course Overview

Description
This course introduces discipline specific tools as a context for designing and conducting experiments as well as solving engineering problems related to Civil Engineering and Construction Management or a thematic problem area of societal importance. Design projects will include the technical and non-technical aspects of engineering design. This course presumes an understanding of engineering design and problem solving processes. 2 Lecture hours and 3 Lab hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	3

CE121 - Introduction to Civil Engineering Lab

Course Overview

Description
An introduction to engineering best practices for experimentation, project design and oral and written communications through laboratory experiments and hands on projects. Application of engineering design includes non-technical aspects of engineering. Emphasis on Civil Engineering and Construction management problems. Prerequisite: MA 005, grade of C or higher or Math Placement into MA 095 or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
2	-

CE188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CE199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

CE211 - Surveying

Course Overview

Description
A course in the theory and practice of plane surveying. Horizontal and vertical control, design of circular and parabolic curves, tachometry, construction surveys and earthwork quantities are covered in lecture. Fieldwork presents the practical applications of lecture material with the use of transits, tapes, levels, electronic distance measuring devices and theodolites. 2 Lecture hours and 3 Lab hours. Prerequisite: MA 107, MA 108, MA121, MA 122, MA 223 or MA 232 or Placement into MA 108, 121, 232.

Semester Credits

	Maximum Variable Credits:
0	3

CE214 - Site Development and Engineering

Course Overview

Description
A course that teaches the tasks and considerations involved in environmentally sound land development. Road design and it's interaction with development sites will be presented. Other topics covered include contours, drainage utilities, cut and fill, and aesthetic considerations. Codes and legal requirements will also be covered. CADD (Computer Aided Drawing and Design) software specific to Civil Engineering work will be introduced and employed extensively on student projects. 3 Lecture hours and 3 Lab hours. Prerequisite: CE 211.

Semester Credits

	Maximum Variable Credits:
0	4

CE264 - Specifications and Estimating

Course Overview

Description
A laboratory in plan reading, quantity analysis and cost estimating of Civil Engineering projects. Students will be exposed to standard formats for specifications and estimating. Students will write sample specifications and will gain experience in construction estimation. 3 Lab hours. Prerequisite: CE 211 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
1	-

CE288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CE299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	4

CE321 - Materials Laboratory

Course Overview

Description
A laboratory course in the application of basic mechanics of materials principles to cement, aggregate, concrete, steel and wood. Operation of various types of testing machines and gauges. Tests of tension, compression, flexure, torsion, impact, shear, hardness and fatigue. Laboratory observations, analysis, interpretation and reports. 1 Lecture hour and 2 Lab hours. Prerequisites: EG 301 or concurrent enrollment; or CE 351 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
0	1

CE322 - Fluid Mechanics Laboratory

Course Overview

Description
A laboratory course in which the principles of fluid mechanics are applied to civil engineering problems. The design and implementation of a laboratory research study, the analysis of data, the presentation of results, and the development of engineering conclusions are integral parts of this course. Lab topics include hydrostatics, pipe flow, open channel flow, flow measurement, and resistance to flow. 1 Lecture hour and 2 Lab hours. Prerequisite: EG 303 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
0	1

CE328 - Soil Mechanics

Course Overview

Description
An introduction to the engineering properties of soil: soil classification; soil structure and mineralogy; water flow through soils; compressibility and consolidation; shear strength. Laboratory testing of soils and soil exploration. 3 Lecture hours and 2 Lab hours. Prerequisite: EG 301.

Semester Credits

	Maximum Variable Credits:
0	4

CE332 - Engineering Hydrology

Course Overview

Description
A study of the location, movement, and distribution of the waters of the earth for practical applications to society. This course includes the study of the engineering aspects of precipitation, evaporation, infiltration, steam flow and flood and drought prediction. The application of hydrological statistics and computer applications are stressed. 3 Lecture hours. Prerequisite: EG 303.

Semester Credits

	Maximum Variable Credits:
3	-

CE336 - Introduction to Transportation Engineering

Course Overview

Description
An introduction to different modes of transportation with emphasis on roadway and traffic engineering. Topics include transportation planning, highway geometric and pavement design, drainage, construction, traffic-control devices, traffic operations and management, and highway capacity analysis. 3 Lecture hours. Prerequisite: CE 211.

Semester Credits

	Maximum Variable Credits:
3	-

CE348 - Structural Analysis

Course Overview

Description
A course on the analysis of statically determinate and indeterminate beams, frames and trusses. Topics include loads to buildings, shear and moment diagrams, influence lines and classical methods of analysis. Computer applications are introduced using a general frame analysis program. The use of analysis in the overall design process is stressed using a semester-long project. 2 Lecture hours and 2 Lab hours. Prerequisite: EG 301.

Semester Credits

	Maximum Variable Credits:
0	3

CE351 - Statics and Mechanics of Materials

Course Overview

Description
A study of elementary, primarily two-dimensional engineering mechanics. Fundamental concepts and basic laws of statics, force systems, structures, and support reactions for loading patterns. Stress-strain relationships to forces: concepts and applications. Consideration of engineering materials and their suitability in various structures and mechanisms. 4 Lecture hours. Prerequisites: PS 201, MA 107 or MA 108 or MA 121 or Placement into MA 108. Restriction: Not open to Civil Engineering majors.

Semester Credits

	Maximum Variable Credits:
4	-

CE388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CE399 - Introduction to Transportation Engineering

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	4

CE419 - Foundation Engineering

Course Overview

Description
A course on the use of soil properties to determine bearing capacity and settlement of shallow and deep foundations. Design of earth and earth supporting structures. 3 Lecture hours. Prerequisite: CE 328.

Semester Credits

	Maximum Variable Credits:
3	-

CE421 - Environmental Engineering

Course Overview

Description
This course covers the basics of air, water, waste and noise pollution in the context of quality, control and treatment design using sustainable engineering practices. New and emerging contaminants as well as their impact on the environment will be covered along with a primer on risk assessment and other contemporary environmental engineering issues. 3 Lecture hours and 3 Lab hours. Prerequisites: EG 303, CH 104 or concurrent enrollment in each.

Semester Credits

	Maximum Variable Credits:
0	4

CE422 - Waste and Water Treatment

Course Overview

Description
A study of physical, chemical and biological processes for water and wastewater treatment. The course emphasizes the evaluation of unit processes and the design of water and wastewater treatment facilities. 3 Lecture hours. Prerequisite: CE 421.

Semester Credits

	Maximum Variable Credits:
3	-

CE442 - Design of Steel Structures

Course Overview

Description
An introduction to the design of metal structures using the LRFD-AISC code as the basis. Topics include design of tension, compression and bending members; bolted and welded connections. 3 Lecture hours. Prerequisite: CE 348.

Semester Credits

	Maximum Variable Credits:
3	-

CE444 - Reinforced Concrete Design

Course Overview

Description
An introduction to the design of reinforced concrete members under bending, shear and axial loading according to ACI 318R code requirements. Topics also include one-way slabs, footings and retaining walls and an introduction to pre-stressed concrete. Use of the computer as a design tool is introduced. 3 Lecture hours. Prerequisite: CE 348.

Semester Credits

	Maximum Variable Credits:
3	-

CE446 - Soils in Construction

Course Overview

Description
This is the first course in geotechnical engineering, one of the sub-disciplines of Civil Engineering. Its purpose is to impart knowledge of the engineering properties and behavior of soils that are used for construction of foundations and earth structures. 3 Lecture hours and 2 Lab hours. Prerequisite: Junior standing or higher. Restriction: Not open to Civil Engineering majors.

Semester Credits

	Maximum Variable Credits:
0	4

CE457 - Wood, Steel, and Concrete Structures

Course Overview

Description
This course builds directly on the material learned in CE 351 and is specifically directed to the study of the response of structural systems to various loadings. Gravity and lateral loads as well as load combinations on a structure are developed using appropriate building codes. The response of the structural system to imposed loading is studied by classical and computer analysis techniques. This course introduces the students to applications - the design of simple structures of wood, steel, concrete and other materials that meet the appropriate building code. 4 Lecture hours. Prerequisite: CE 351. Restriction: Not open to Civil Engineering majors.

Semester Credits

	Maximum Variable Credits:
4	-

CE458 - Structural Issues for Construction

Course Overview

Description
This course is intended to introduce the students to structural building applications, and to develop knowledge and comprehension of structural design of steel, wood, concrete, and masonry. Particular attention will be given to concrete members, concrete form design requirements, steel connections, failure modes of the member types and materials. Detailed construction issues with each material will be emphasized. Each of the principal member types, beam and column as well as connections, will be studied and members designed to meet the appropriate code. 1 Lecture hour and 4 Lab hours. Prerequisites: CE 455 or CE 457. Restriction: Not open to Civil Engineering majors.

Semester Credits

	Maximum Variable Credits:
0	3

CE460 - Construction Management

Course Overview

Description
A course on the organization, scheduling and management of the construction project utilizing CPM and PERT. Survey of management functions by which construction is authorized, purchased, supervised, accomplished, inspected and accepted, including labor management relations and site design. 3 Lecture hours. Prerequisites: MA 107 or 108 or 121 or 122, and CE 264.

Semester Credits

	Maximum Variable Credits:
3	-

CE479 - Senior Design Project I

Course Overview

Description
This course is the first in the two-semester civil engineering capstone design project sequence. Each student will work with a mentor and together will define and analyze a project so that an efficient design can be completed. The project scope and design criteria will be developed, the tasks required to complete the project will be identified and scheduled, data collected, and preliminary design proposals will be developed. The design process involves exploring alternate solutions and optimization of the design based upon project criteria and constraints such as economic, political and social factors. The course required nine hours per week of directed reading, data collection, research, calculation and experimentation. All of this will be presented orally and in written form in a project proposal. Requisite: Junior 1 standing or higher. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CE480 - Senior Design Project II

Course Overview

Description
This course is the second in the two-semester civil engineering capstone design project sequence. This course builds on and integrates the engineering concepts developed in prior course work into the complete design of a major civil engineering project. The course will require a written and oral presentation of the complete design to include, where appropriate, plans and specifications. The course requires up to nine hours per week under guided supervision by a faculty advisor. Prerequisites: CE 479. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CE488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CE501 - Hydraulics for Environmental Engineers

Course Overview

Description
A review of fluid mechanics and hydraulics fundamentals. Pipe flow and networks, open channel flow, measurement techniques for fluids.

Semester Credits

	Maximum Variable Credits:
3	-

CE505 - Engineering Analysis Techniques

Course Overview

Description
A fast-paced review of fundamental techniques from typical undergraduate level calculus courses. Mastery of these topics is required for success in the differential equations and engineering analysis courses in the MCE program.

Semester Credits

	Maximum Variable Credits:
3	-

CE506 - Engineering Mechanics I

Course Overview

Description
A review of engineering mechanics fundamentals from the fields of statics, dynamics, and mechanics of materials. Free body diagrams, force systems, equilibrium, geometric properties, kinematics, kinetics, stress and strain.

Semester Credits

	Maximum Variable Credits:
3	-

CE507 - Fundamentals of Structural Engineering

Course Overview

Description
A review of the basic concepts of structural engineering that form the required background for later courses. Types of structures, construction materials, structural design, and safety issues are discussed. Students will become familiar with a number of typical structural design calculation methods for later use.

Semester Credits

	Maximum Variable Credits:
6	-

CE509 - Fundamentals of Environmental/Water Resources Engineering

Course Overview

Description
A review of the basic concepts of environmental and water resources engineering that form the required background for later courses. Basic concepts from environmental chemistry, ecology, biology, microbiology, geology, and soil science along with an introduction to environmental engineering field. Designed to prepare students for entry into the Environmental Engineering / Water Resources concentration of the Master of Civil Engineering program.

Semester Credits

	Maximum Variable Credits:
6	-

CE525 - Physiochemical & Biological Processes in Water & Wastewater Treatment

Course Overview

Description
Physical, chemical, biological, and advanced treatment unit processes. This course will cover basic physical, chemical and biological concepts, reactor kinetics, water and wastewater qualities and quantities, and physical, chemical, and biological unit processes. Design of individual unit processes and integration of unit processes into treatment trains capable of meeting treatment objectives will be emphasized. Prerequisite: EG 501.

Semester Credits

	Maximum Variable Credits:
6	-

CE528 - Classical, Matrix, and Dynamic Analysis of Structures

Course Overview

Description
This course addresses two tracks of analysis. First, static analysis is investigated with advanced classical methods and with matrix methods, the cornerstone of the finite element method. Second, dynamic analysis is presented using both classical and matrix approaches for single and multiple degree of freedom systems. Analysis issues related to design codes are addressed for both static and dynamic conditions. The use of commercially available software is introduced. Prerequisite: EG 501.

Semester Credits

	Maximum Variable Credits:
6	-

CE529 - Information Technology

Course Overview

Description
This course develops a base level competency in a host of project management software products. Virtual Design and Construction applications as well as enterprise wide IT solutions will be examined. In addition it develops an understanding of the importance of integrating an information technology strategy across all aspects of the project and the organization. Prerequisite: EG 501 or Permission of Program Director.

Semester Credits

	Maximum Variable Credits:
6	-

CE533 - Earthquake Engineering and Soil Stabilization

Course Overview

Description
Earthquake Engineering: evaluation of geotechnical earthquake hazards and mitigation. Plate tectonics, seismicity, wave propagation, characterization of ground motions, theory of vibrations, effect of local soil conditions on ground response, development of design ground motions, liquefaction, dynamic lateral earth pressures, slope stability and deformation, earthquake design codes, Soil Stabilization: the application of mineralogical and physiochemical principles to foundation applications. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
6	-

CE535 - Stormwater Management and GIS Applications for Water Resources

Course Overview

Description
Storm water management issues, from both flood control and water quality points of view, are integral water resource components associated with land development, urbanization, and watershed hydrology. This course will examine rainfall-runoff relationships including statistical analysis, channel and basin routing, storm water treatment, low impact development, best management practices, and wetland utilization and benefit/cost ratio analysis. Geographic Information Systems (GIS) software will be introduced and applied for examining and analyzing decision-making processes involved with the storm water management components of the course.

Semester Credits

	Maximum Variable Credits:
6	-

CE538 - Design of Steel and Timber Structures

Course Overview

Description
An exploration of advanced structural design issues in the areas of both steel and timber. Using the latest provisions from the American Institute of Steel Construction and the National Design Specification for Wood Construction the course will cover the design and behavior of 2-D and 3-D framing, framing members and connections under various loading conditions, including wind and seismic. Strength and serviceability issues.

Semester Credits

	Maximum Variable Credits:
6	-

CE539 - Contracts and Insurance

Course Overview

Description
This course addresses the risk characteristics of various contractual forms and the place that insurance and surety plays in the AEC arena. The emergence of new contractual forms from AIA and the Consensus Docs require a new perspective on contracts and the project organization. This seminar will develop a strategic understanding of contract variables that span plans and specs to Integrated Project Delivery.

Semester Credits

	Maximum Variable Credits:
6	-

CE553 - Computer Modeling in Geotechnical Engineering and Geotechnical Engineering Case Histories

Course Overview

Description
Survey of computer methods and applications for analysis of complex geotechnical engineering problems. Finite element, finite difference and closed form solution techniques, modeling applications. Review of select geotechnical engineering case studies. The course will also spend time formulating proposals for the student's upcoming capstone design project in CE 561. Prerequisite: CE 533 or Permission of Program Director.

Semester Credits

	Maximum Variable Credits:
6	-

CE555 - Geoenvironmental Engineering - Groundwater Flow and Waste Containment

Course Overview

Description
This course approaches the field of geo-environmental engineering from two points of view: groundwater flow and contaminant transport issues and the principals related to solid waste disposal and containment. The groundwater portion of the course will focus on flow and contaminant transport including aquifer properties, principles of ground-water flow, flow into wells, soil moisture and ground-water recharge, regional ground-water flow and the advection, diffusion and attenuation of ground-water contaminants. The solid waste portion of the course will focus on landfill siting, design and construction. Material properties and engineering design of geosynthetic components including geomembranes, geotextiles, geo-composites, and geosynthetic clay liners. Methods to estimate and design landfill leachate quantities and gas generation. The course will also spend time formulating proposals for the student's upcoming capstone design project in CE 561.

Semester Credits

	Maximum Variable Credits:
6	-

CE558 - Design of Reinforced and Prestressed/Precast Concrete Structures

Course Overview

Description
This course focuses on advanced topics in reinforced concrete design and an introduction to prestressed / precast concrete using the provisions of the American Concrete Institute. Beams, slabs, columns, deflections, analysis and design of prestressed members, loss calculations, use of standard precast members. Design and detailing for seismic loads. The course will also spend time formulating proposals for the student's upcoming capstone design project in CE 561.

Semester Credits

	Maximum Variable Credits:
6	-

CE559 - Project Finance and Accounting

Course Overview

Description
This course focuses on understanding project risk and financial performance across all project participants. It will address traditional financial arrangements as well as new models such as the Special Purpose Entity (SPE) and Public Private Partnerships (PPP). This seminar will enable the student to address the ever increasing complexity of the financial arena. The course will also spend time formulating proposals for the student's upcoming capstone design project in CE 561. Prerequisite: CE 539 or Permission of Program Director.

Semester Credits

	Maximum Variable Credits:
6	-

CE561 - Capstone Design Project

Course Overview

Description
Civil engineering projects have always had social, political, economic, and environmental impacts. The capstone design project requires you to anticipate these impacts prior to project implementation. As the engineer in a leadership position you will direct the project from conception to completion. This includes the preparation of a comprehensive project business plan that will include project goals, political hurdles, anticipated revenues and expenses, marketing, facility design, etc.; all pertaining to the design of a major civil engineering project.

Semester Credits

	Maximum Variable Credits:
6	-

CE572 - Intermediate Geotechincal Tools Laboratory

Course Overview

Description
Survey of techniques for assessing permeability of soils using the flexible wall apparatus, Proctor compaction and triaxial shear testing. Field visit to geotechnical project site. Prerequisite: CE 553 or Permission of Program Director.

Semester Credits

	Maximum Variable Credits:
1	-

CE588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CH100 - Introduction to Forensic Science

Course Overview

Description
An introductory survey course designed for non-science/engineering majors that focuses on scientific principles behind the recognition, collection, preservation, analysis, and interpretation of physical evidence found at a crime scene. Emphasis is on understanding the capabilities and limitations of forensic science as it is currently practiced. 3 Lecture hours and 3 Lab hours. Goal 4. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
0	4

CH103 - General Chemistry I

Course Overview

Description
Introduction to chemical characteristics and behavior, stressing atomic structure, stoichiometry, chemical equilibrium and kinetics, and descriptive chemistry of important elements. Laboratory includes qualitative and quantitative exercises, and syntheses. Credit cannot be earned in CH 101 and CH 103. 3 Lecture hours and 3 Lab hours. Prerequisite: Grade of C or higher in MA 095, or Math Placement into (MA 107), or higher or MATO 2, MATO 3. Recommended: One year of high school chemistry. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

CH104 - General Chemistry II

Course Overview

Description
Continuation of the study of chemical characteristics and behavior, stressing atomic structure, stoichiometry, chemical equilibrium and kinetics, and descriptive chemistry of important elements. Laboratory includes qualitative and quantitative exercises, and syntheses. Credit will not be granted for CH 104 and CH 102. 3 Lecture hours and 3 Lab hours. Prerequisite: CH 103. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

CH115 - Chemistry of Weapons of Mass Destruction

Course Overview

Description
An introductory course designed for non-science/engineering majors that focuses on the central role of chemistry in the study and mitigation of weapons of mass destruction. Students utilize scientific principles to explore the general dangers of chemical, biological, radiological and nuclear weapons, the history of their use and the chemistry behind how they affect human health. Emphasis is on the chemical structure-function relationship of bioactive substances, participation in classroom discussions on their historical use and identifying appropriate forms of personal protective equipment and decontamination. 3 Lecture hours. Credit cannot be earned in both CH 199 and CH 115. Goal 4. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CH188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CH199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

CH200 - Molecular Forensics

Course Overview

Description
This course gives students with an interest in criminal investigation the opportunity to learn and apply the scientific concepts behind using DNA in forensic examinations. Lecture topics will cover currently accepted molecular technologies as well as approaches being researched for future application. Current events and invited speakers will examine DNA court admissibility and privacy laws. Genealogical practices being applied to suspect identification, such as Forensic Investigative Genetic Genealogy (FIGG), will be introduced. Lectures are supported by weekly laboratory exercises that teach the strengths and weaknesses of applying molecular techniques to biological evidence. Each student will gain hands-on experience with the isolation of DNA and its molecular manipulation and analysis, culminating in the examination of their own FBI CODIS DNA profiles. 3 lecture hours, 3 lab hours. Prerequisites: Grade of D- or higher in one of: BI 101 or BI 122 or CH 100. Offered Fall, Spring.

Semester Credits

	Maximum Variable Credits:
0	4

CH204 - Quantitative Analysis

Course Overview

Description
An introduction to the general principles and laboratory practices of quantitative chemical analysis. The sequence of steps in a typical quantitative analysis are emphasized, including defining the analytical requirements, choosing an analytical method, collecting a representative sample, processing the sample in the laboratory, detecting and eliminating interferences, calibrating and measuring concentrations, calculating results, and evaluating results by estimating their reliability. Gravimetric, volumetric, electrochemical and spectrochemical methods are studied in the classroom and in the laboratory. Other topics include chemical equilibria, errors in chemical analyses and the statistical evaluation and reporting of analytical data. 3 Lecture hours and 4 Lab hours. Prerequisite: CH 104. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

CH214 - Communication in Chemistry

Course Overview

Description
Illustrates the organization of the chemical literature, the efficient search of the literature and a formal introduction to scientific writing. 1 Lecture hour. Offered: Fall

Semester Credits

	Maximum Variable Credits:
1	-

CH225 - Organic Chemistry I

Course Overview

Description
An introduction to the study of carbon compounds; preparation and identification of typical compounds. 3 Lecture hours and 3 Lab hours. Prerequisite: CH 104. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

CH226 - Organic Chemistry II

Course Overview

Description
A continuation of the study of carbon compounds; preparation and identification of typical compounds. 3 Lecture hours and 3 Lab hours. Prerequisite: CH 225. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

CH288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CH299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

CH314 - Instrumental Methods

Course Overview

Description
A course on the theory and application of modern atomic and molecular instrumental methods. The atomic methods include absorption, emission, and fluorescence spectrometry, and plasma emission spectroscopy. The molecular methods include ultraviolet-visible absorption spectrometry, Fourier-transform infrared spectrometry, nuclear magnetic resonance spectroscopy, gas chromatography, high-performance liquid chromatography, mass spectrometry, gas chromatography/mass spectrometry, and liquid chromatography/mass spectrometry. Other topics include optical systems, electrical components and circuits, signal measurement and processing, quality assurance/quality control methods, troubleshooting, method validation, and reporting. Lecture 3 hours. Prerequisite: CH 204. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

CH315 - Analysis Laboratory

Course Overview

Description
An upper level laboratory experience in analytical chemistry. Students will use quality assurance/quality control methods in quantitative analysis to reduce error; measure and interpret accuracy, precision, and detection limit; detect and eliminate interferences and contamination; and troubleshoot methods and instrumentation. Each student will use ultraviolet visible absorption spectrometry, Fourier transform infrared spectrometry, gas chromatography/mass spectrometry, liquid chromatography/mass spectrometry, and nuclear magnetic resonance spectroscopy to identify a variety of unknown compounds. Every student will work on an independent research project. 3 Lab hours. Prerequisite: CH 204. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
1	-

CH324 - Biochemistry I

Course Overview

Description
A course on the chemical phenomena and energy effects in life processes. Topics include structure and function of biomolecules, metabolism (catabolism and anabolism), photosynthesis and recombinant DNA technologies. 3 Lecture hours and 3 Lab hours. Prerequisites: BI 101, CH 226. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

CH325 - Biochemistry II

Course Overview

Description
A continuation of the study of the chemical phenomena and energy effects in life processes. Topics include structure and function of biomolecules, metabolism (catabolism and anabolism), photosynthesis and recombinant DNA technologies. 3 Lecture hours and 3 Lab hours. Prerequisite: CH 324. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
0	4

CH327 - Physical Chemistry I

Course Overview

Description
The physical properties, structure and transformation of matter are studied with emphasis on applications of thermodynamics, equilibrium, phase equilibria and reaction kinetics. 3 Lecture hours. Prerequisites: CH 104, MA 122. Recommended: PS 201/202 or PS 211/212. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
0	3

CH328 - Physical Chemistry II

Course Overview

Description
A continuation of the study of physical properties and structure of matter with emphasis on the electronic structure of atoms and molecules, molecular and electronic spectroscopy and molecular thermodynamics. 3 Lecture hours. Prerequisite: CH 327. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
0	3

CH337 - Physical Chemistry Laboratory I

Course Overview

Description
Laboratory investigations with formal laboratory reports into the physical properties and chemical behavior of substances. 3 Lab hours. Prerequisite: CH 327 or concurrent enrollment. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
1	-

CH338 - Physical Chemistry Laboratory II

Course Overview

Description
A continuation of laboratory investigations with formal laboratory reports on the physical properties and chemical behavior of substances. 3 Lab hours. Prerequisite: CH 328 or concurrent enrollment. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
0	1

CH388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CH415 - Senior Seminar and Synthesis

Course Overview

Description
Students develop an integrated perspective on their field of interest within chemistry through synthesis of organic and inorganic compounds and develop proficiency in practical laboratory procedures and reporting results. Students will experience individual assignments, written reports, oral reports and class discussions on chemical topics of current interest. Reading, writing, speaking and critical thinking skills are emphasized. 1 Lecture hour and 4 Lab hours. Goal 7. Prerequisite: Chemistry or Biochemistry Major. Junior or higher. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
0	3

CH421 - Chemical Synthesis and Examination I

Course Overview

Description
A capstone experience in which organic, inorganic and compounds of biological interest are synthesized and examined with respect to purity and properties. Students develop an integrated perspective on the general field of chemistry and develop proficiency in practical laboratory procedures and in reporting results. 8 Lab hours. Prerequisite: Junior or higher; Chemistry or Biochemistry major. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	3

CH425 - Thesis

Course Overview

Description
This course allows the student to conduct research on a project approved by the faculty of the chemistry and biochemistry programs. The student can be expected to perform the necessary experiments, organize and interpret the data and to communicate the results of the project with a comprehensive report. Prerequisite: CH 226. Permission of Department Chair. A maximum of 6 credits may be applied to the student record.

Semester Credits

	Maximum Variable Credits:
1	3

CH438 - Advanced Inorganic Chemistry

Course Overview

Description
A course on the chemistry of the elements: properties, characteristics, and behavior. Lecture 3 hours. Prerequisites: CH 226. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
3	3

CH488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CJ101 - Introduction to Criminal Justice

Course Overview

Description
This course offers a comprehensive exploration of the American criminal justice system, including a foundational understanding of how laws are created, crimes are investigated and justice is administered. Topics include the role of police, courts and corrections in addressing the challenges and complexities facing our society. This course emphasizes the importance of civic engagement and ethical decision making in shaping a just and equitable criminal justice system. Cross-listed with CRMJ 201, not permitted to earn credit for both CJ 101 and CRMJ 201. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

CJ104 - Professionalism in Criminal Justice

Course Overview

Description
A comprehensive career guide to getting hired and working in the field of criminal justice while correcting misconceptions about the profession. This course covers all elements of the criminal justice system including opportunities in law enforcement, courts and correctional systems as well as other criminal justice related career paths. Attention is given to high impact practices and developing real world skill sets such as networking, producing cover letters and resumes, ethics and professionalism in the field, mental and physical wellness, advance training, best practices and technical writing. Credit will be earned once for CJ 300 Professionalism in Criminal Justice and CJ 104 Professionalism in Criminal Justice. Offerings: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CJ188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CJ212 - Criminal Law

Course Overview

Description
This course presents the development of criminal law in the United States and discusses its principles, sources, distinctions and limitations. The following topics are covered in detail: criminal liability; offenses against persons, property, public peace and public justice; preparatory activity crimes and defenses available to those charged with criminal activity. A student with credit in CJ 102 cannot also earn credit in CJ 212. Prerequisite: CJ 101, grade of C or higher. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CJ214 - Criminal Procedure

Course Overview

Description
This course addresses the legal procedure connected with arrest, search and seizure, identification and questioning, bail setting, indictments and plea bargaining. Cross-listed with CRMJ 306 and CJ 301; not permitted to earn credit for both CJ 301, CRIMJ 306 and CJ 214. Prerequisite: CJ 101, Grade of C or higher. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CJ288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CJ300 - Topics in Criminal Justice

Course Overview

Description
This course examines specialized topics in criminal justice, focusing on contemporary issues, policies, and practices within the field. Topics vary by semester and may include areas or emerging challenges related to law enforcement, courts, or corrections. Students will engage in critical analysis, discussion, and research to deepen their understanding of crime and justice in diverse contexts. Repeatable with a different topic. Prerequisite: CJ 101.

Semester Credits

	Maximum Variable Credits:
1	3

CJ305 - Juvenile Justice

Course Overview

Description
A general survey of the philosophy, system and process of juvenile justice. Examination of the social and legal control of juvenile delinquency by the police, courts and corrections, as well as by private agencies. Emphasis on the distinctions in philosophy, law, jurisdiction, organization and terminology between the juvenile justice system and the adult criminal justice system. Prerequisite: CJ 101. Grade of C or higher. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
3	-

CJ308 - The Police

Course Overview

Description
This course offers a thorough examination of American Policing. The course will explore the history and development of police forces in the United States, examining their structure, culture and how officers navigate complex situations through a combination of lectures, discussions, case studies and scenarios. In this course students will compare American models with those used in other democracies, gaining a broader perspective on the various approaches to law enforcement and the factors that influence them. This course will hone critical thinking skills as the student navigates the complexities of law enforcement in a democratic society. Students can further their understanding by participating in an optional ride-along program with a local police agency when offered. Prerequisite: Grade of C or higher, CJ 101. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CJ310 - The Courts

Course Overview

Description
Students will explore the American judicial system in this undergraduate course, including analysis of courts operating at the state, federal and specialized levels. Students will also gain a comprehensive understanding of the distinctions between criminal, civil and appellate proceedings. The course culminates in a simulated mock trial providing hands-on opportunity to apply theoretical knowledge in a practical setting. Prerequisite: CJ 101, Grade of C or higher. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CJ312 - Corrections

Course Overview

Description
An analysis of the development and present structure of the correctional process in America, including detailed examinations of the operational problems of correctional institutions, probation and parole practices and other community-based correctional alternatives. Prerequisite: CJ 101, Grade of C or higher. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

CJ314 - Restorative Justice

Course Overview

Description
This course presents a new paradigm of community justice as an alternative to the retributive model. The course examines and contrasts restorative approaches and traditional punitive responses to crime. Topics include mediation, victim-offender reconciliation, reparation for harm done to victims and the community and offender re-integration into the community. Prerequisite: CJ 101. Grade of C or higher. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

CJ318 - Transnational Crime

Course Overview

Description
An examination of key legal and procedural issues impacting the investigation of transnational crime. Issues such as extra-territorial jurisdiction of US law, extradition and extra-judicial rendering, and the collection of evidence abroad. Includes relevant case studies on trafficking, organized crime and money laundering, corruption, and national security crimes. Prerequisite: CJ 101, Grade of a C or higher. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

CJ322 - Victims Services

Course Overview

Description
Students will examine how individuals, families and communities experience crime, what needs are created as a result of crime and how service providers can best meet the needs of those impacted. Through an examination of supplemental system responses for victims including advocacy, crisis intervention, support, prevention/intervention programs, and policy. Students will analyze the strengths and limitations to approaches used to meet the needs of victims. Credit will be earned once for CJ 300 Victim Services and CJ 322 Victim Services. Prerequisite: CJ 101, Grade of C or higher or Permission of Instructor. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

CJ327 - Emergency Management

Course Overview

Description
Students will learn how emergency managers respond to national, state or local disasters. Students will also gain a broad understanding of the functions, challenges, key concepts and organizing principles of U.S. emergency management. Through the analysis of the emergency management structure and organization, students explore and evaluate the National Response Framework, the National Incident Management System, the Federal Emergency Management Agency and the Incident Command System as well as other standards that govern emergency management in the United States. Credit will be earned once for CJ 300 and CJ 327. Prerequisite: CJ 101, Grade of C or higher or Permission of Instructor. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CJ362 - Media, Justice and Society

Course Overview

Description
An overview of major theories regarding mass society, mediation, and social constructionism, exploring media impact on public perceptions of social problems, policies, justice, crime, and deviance. 3 Lecture hours. Prerequisites: SO 201 or SO 202 or CJ 101. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

CJ364 - Theories of Justice

Course Overview

Description
An introduction to major classical and contemporary theories of justice, with applications to social interactions and institutions from both a historical and contemporary perspective. 3 Lecture hours. Prerequisites: SO 201 or CJ 101; Sophomore or higher. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
3	-

CJ388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CJ399 - Pilot course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

CJ400 - Independent Study

Course Overview

Description
An opportunity for qualified sophomore, junior, and senior students to engage in an intensive research program in fields of interest not satisfactorily covered by regular course offerings. Periodic conferences will be required. Prerequisites: CJ 101, Grade of C or higher; Junior or higher. Criminal Justice course average 3.0, cumulative GPA of 2.5. Permission of Instructor. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
1	3

CJ403 - Criminal Justice Administration

Course Overview

Description
An introduction to the principles of public administration as they are applied in the operation of criminal justice agencies. This course will emphasize how such topics as organization, decision making, leadership style, personnel policy, planning, and budgeting are specifically adapted by criminal justice administrators to meet the needs of their agencies. Simulations will be used extensively as a tool for mastering administrative principles. Cross-listed with CRMJ 305; not permitted to earn credit for both CJ 403 and CRMJ 305. Prerequisite: CJ 101, Grade of C or higher. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

CJ405 - Internship

Course Overview

Description
This elective course permits an upper-level student to participate directly in the criminal justice process by serving as an aide to agencies involved in the process. This offering is subject to the availability of such internships. Prerequisite: CJ or CRIM major or minor and permissions of SCCJ internship coordinator. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	9

CJ407 - Experiential Study

Course Overview

Description
An Opportunity for qualified sophomore, junior and senior students to engage in an intesive observational experiential program in fields of interest not covered by regular course offerings. Experiential study experiences are required. This offering is subject to the availability of such experiential study opportunities. Prerequisite: Pre-law minor or Permission of Instructor. May be reqpeated for credit up to three total credits. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
1	3

CJ410 - Senior Seminar

Course Overview

Description
A course dedicated to intensive research and analysis of major issues in criminal justice. Emphasis will be placed on critical thinking and evaluation of topics previously discussed during the student's academic career in the criminal justice program. Attention will also be given to professional development topics, ethics and criminal justice policy. Cross-listed with CRMJ 400; not permitted to earn credit for both CJ 410 and CRMJ 400. Prerequisite: Junior standing or higher. Criminal Justice or Criminology major. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

CJ421 - Comparative Criminal Justice Systems

Course Overview

Description
This course examines how countries other than the United States deal with the problem of crime and its control. It begins from the classic approach of a critical analysis of the history and development of the world's great legal traditions, and the role and structure of the criminal justice systems inside those traditions. Prerequisite: CJ 101, Grade of C or higher. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
3	-

CJ423 - Evidence

Course Overview

Description
This course is an in-depth examination of the rules governing the admissibility or exclusion of evidence at trial. Subjects include competency of witness, direct and cross-examination of witnesses, the rule against hearsay and its exceptions, expert and lay opinion testimony, privileged communications, relevancy, procedural considerations, judicial notice, burden of proof, presumptions, form and type of objections, authentication, the best evidence rule and the use of demonstrative and scientific evidence. Prerequisites: CJ 101, CJ 212. Grade of C or higher. Junior or higher. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

CJ430 - Homeland Security

Course Overview

Description
In this course, students examine the critical issues associated with Homeland Security. Homeland Security is analyzed both from a scholarly and practitioner perspective. Topics include infectious diseases, border security, secure air/sea/ground travel, natural catastrophes, terrorism, and critical infrastructure. Federal, state, and local governmental responsibilities and policies are also examined. Attention is also given to Homeland Security research, trends, current events, and future implications. May not earn credit in both CJ 430 and INSC 311. Prerequisites: CJ 101or CRMJ 201. Grade of C or higher. Offered: Annually.

Semester Credits

	Maximum Variable Credits:
3	-

CJ488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CJ499 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	12

CJ522 - Contemporary Issues in Criminal Justice: Ethical Leadership and Technology

Course Overview

Description
Focuses on the nexus and relationships among leadership, ethics and emerging technology for criminal justice practitioners, managers and administrators. The multifaceted responsibilities of criminal justice professionals require basic knowledge of these focused competency based areas as well as the symbiotic relationships which lead to successful policies, procedures and practices in contemporary criminal justice organizations. Emerging technologies such as drone usage, body cameras and enhanced listening devices are explored in the context of ethical use in police interdiction and intervention. Credit cannot be earned for both GJ 522 and CJ 522. Offered: On rotation.

Semester Credits

	Maximum Variable Credits:
6	-

CJ551 - Law Enforcement Administration

Course Overview

Description
Examines law enforcement best practices, police leadership, workforce development, accountability, internal affairs, productivity and managing special units. Students will also study the role of community policy, community policing, restorative justice programs, crime prevention and the role of technology, integrated justice systems and information system security. Credit cannot be earned in both GJ551 and CJ 551. Offered: On Rotation.

Semester Credits

	Maximum Variable Credits:
6	-

CJ552 - Corrections Administration

Course Overview

Description
Examines administration in the corrections environment. Topics include personnel management, budgeting and public finance, workforce development, staffing, special units, correctional policy development and planning. The role of technology and integrated justice systems are examine as well as information system security. Credit cannot be earned in GJ 552 and CJ 522. Offered: On rotation.

Semester Credits

	Maximum Variable Credits:
6	-

CJ553 - Legal Foundations in Criminal Justice

Course Overview

Description
Legal Foundations in Criminal Justice is a comprehensive master's level course designed to provide students with a deep understanding of the fundamental legal principles that underpin the American criminal justice system. This course serves as a cornerstone for individuals pursuing advanced studies in criminal justice, law enforcement, and related fields.

Semester Credits

	Maximum Variable Credits:
6	-

CJ556 - Critical Incident Management for Public Safety

Course Overview

Description
Explores public administration within the scope of critical incidents and crisis management. Among the topics to be studied are domestic terrorism and counterterrorism, the roles of the National Incident Management System and the National Response Framework, best practices for first responders and constitutional issues related to the execution of first responder duties. Will study the use of specially trained and equipped units such as SWAT teams, and the role of community policing and community partnerships in responding to crises, whether manmade or natural. Credit cannot be earned in GJ 556 and CJ 556. Offered: On Rotation.

Semester Credits

	Maximum Variable Credits:
6	-

CJ588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CN121 - Beginning Chinese I

Course Overview

Description
Students progress along the first steps towards acquiring basic languages skills: speaking, listening, reading, and writing, with a focus on their use for several modes of communication, such as the interpersonal, the interpretive, and the informative, within the context of the cultures of the Chinese-speaking world. For students with little or no previous exposure to Chinese. 4 Lecture hours. Prerequisite: None.

Semester Credits

	Maximum Variable Credits:
4	-

CN122 - Beginning Chinese II

Course Overview

Description
Students continue progress toward novice-high skill levels in speaking, listening, reading, and writing - and their use in several modes of communication: the interpersonal, the interpretive, and the informative - all within the context of the cultures of the Chinese-speaking world. 4 Lecture hours. Prerequisite: CN 121 or Modern Language Placement Score of CN 268-330.

Semester Credits

4

Maximum Variable Credits:
-

CN188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

CN199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

1

Maximum Variable Credits:
3

CN199EN - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

3

Maximum Variable Credits:
-

CN205 - Intermediate Chinese I

Course Overview

Description
A course providing aural-oral practice in Chinese, in which students enter into full discussion of topics that include abstract themes and cultural perspectives; includes the expanded use of syntactical structures, the reading of sophisticated material, composition, and the viewing of selected Chinese films and documentary materials from Chinese-language television. Taught in Chinese. 3 Lecture hours and 1 Lab hour. Prerequisite: CN 122 or Modern Language Placement Score of CN 331-399.

Semester Credits

3

Maximum Variable Credits:
-

CN206 - Intermediate Chinese II

Course Overview

Description
A course providing aural-oral practice in Chinese, in which students enter into full discussion of topics that include abstract themes and cultural perspectives; includes the expanded use of syntactical structures, the reading of sophisticated material, composition, and the viewing of selected Chinese films and documentary materials from Chinese television. Taught in Chinese. 3 Lecture hours and 1 Lab hour. Prerequisite: CN 205 or Modern Language Placement Score of CN 400 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

CN266EN - Chinese for Intelligence and Cybersecurity

Course Overview

Description
Chinese for Intel and Cybersecurity explores the rapidly evolving digital landscape, where cyber threats grow increasingly sophisticated. This course provides students with fundamentals in Chinese language and specialized vocabulary for cybersecurity and intelligence. Topics include the Great Firewall in China, data breaches and cybercrime. Students will develop cultural awareness and the ability to assess diverse perspectives, preparing them for success in these fields. This course is taught in English. There is no previous Chinese experience required. 3 lecture hours per week. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CN268EN - Chinese Media and Culture

Course Overview

Description
Chinese Media and Culture explores China's dynamic media landscape, from news and social media to films and TV shows. Students will learn key Chinese media vocabulary and analyze authentic content while discussing topics like censorship, social media trends, media narratives and influence operations. The course provides insight into the cultural values, beliefs, and perspectives that shape Chinese media today. This course is taught in English. There is no previous Chinese experience required for this course. 3 Lecture hours.
Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CN288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CN299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

CN299EN - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

CN301 - Advanced Chinese I

Course Overview

Description
Oral and written practice of the language through class discussions of selected Chinese texts. Selective review of grammar, especially of the more difficult and subtle aspects, designed to facilitate an idiomatic and fluent use of the language. 3 Lecture hours. Prerequisite: CN 206 or Modern Language Placement Score CN 400 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

CN302 - Advanced Chinese II

Course Overview

Description
Oral and written practice of the language through class discussions of selected Chinese texts. Selective review of grammar, especially of the more difficult and subtle aspects, designed to facilitate an idiomatic and fluent use of the language. 3 Lecture hours. Prerequisite: CN 301 or Modern Language Placement Score CN 400 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

CN310 - Topics in China

Course Overview

Description
Students will explore various facets of Chinese culture and society. Topics may include but are not limited to China's social and political system, military history, social phenomena, development of Artificial Intelligence in China, China's rich cultural heritage such as Chinese cuisine, Traditional Chinese Medicine, or popular culture. Students will advance their Chinese language proficiency through the examination of primary and secondary sources. May be repeated for credit with a different topic. Taught in Chinese. Prerequisite: CN205 or placement test score of 400, or higher. 3 lecture hours per week.
Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CN310EN - Topics in China

Course Overview

Description
Students will explore various facets of Chinese culture and society. Topics may include but are not limited to China's social and political system, military history, social phenomena, development of Artificial Intelligence in China, China's rich cultural heritage such as Chinese cuisine, Traditional Chinese Medicine, or popular culture. Students will advance their Chinese language proficiency through the examination of primary and secondary sources. May be repeated for credit 5 times with a different topic. There is no previous Chinese experience required for this course. 3 Lecture hours per week. Taught in English. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CN388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exits.

Semester Credits

	Maximum Variable Credits:
1	6

CN399 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

CN488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CN588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

COMM104 - Media Lab

Course Overview

Description
Media Lab is a project-based course that introduces students to various aspects of media production, including video, newspaper and radio. Students will engage in experiential learning towards the completion of a project of their own design. No prior experience with media production necessary. If taken previously as a topics course, no credit can be received. This course may be taken for 1-3 credits with a maximum of 3 credits earned. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
1	3

COMM109 - Media Technology and Culture

Course Overview

Description
Are smart phones destroying relationships? Do music and movie streaming services make us lonelier? Is the internet making us stupid? this course interrogates how mass media and technology dynamically influences individuals, societies, and cultures over the millennia. Mass media has indisputable benefits, however, this class challenges students to understand the way it threatens our well-being and culture. If taken previously as a topics course or as CM 109, Introduction to Mass Media, no credit can be received. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

COMM188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

COMM199 - Pilot Course in Communications

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	3

COMM207 - Journalism in Democracy

Course Overview

Description
Students will learn journalism's essential elements and the role the field and its participants play in democracies. While the focus will be on American journalism, examples of journalism's role in people's revolutions abroad will be explored. Conversely, students will also consider how the spread of fascism depends on the control and manipulation of a free press. If taken previously as a topics course, no credit can be received.Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

COMM208 - The Nuwsroom

Course Overview

Description
Using reporting and writing in the journalism tradition, this experiential learning course will allow students the opportunity to hone vital skills for succeeding in all phases of their professional life. With a hands-on newsroom environment as our learning space, students will identify, pitch and construct ambitious and engaging projects from the ground up. As a result, students will enhance their skills in complex problem solving, individual and group work and effective communication, especially in writing, while building valuable portfolios of intellectual and creative work. If taken previously as a topics course or CM 208 Journalism II, no credit can be received. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

COMM214 - Navigating the Digital World

Course Overview

Description
Students will learn the crucial role of truth in online venues when it comes to enabling a responsible informed public. Class members will explore the evolution of forms of information disorder such as fake news and conspiracy theories, how they have become weaponized in a pursuit of truth, the role technology plays in this process, the psychological, cultural and social factors at play, and the various attemps - both effective and otherwise to increase the spread of Truth. If taken previously as a topics course, no credit can be received. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

COMM216 - Digital Media Production I

Course Overview

Description
This hands-on production course introduces students to a range of tools and platforms used in today's constantly changing media environment. As such, this class seeks to teach students a wide range of digital media production skills including those in television, digital video, radio blogs, podcasts and web sites. Additionally, this class will teach how to adapt media products to mobile-friendly design. This class is for students of all majors seeking opportunities to create creative and informative media products. If taken previously as topics course, no credit can be received. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

COMM218 - Digital Media Productions II

Course Overview

Description
While Digital Media Production I is an introduction to the range of tools and platforms used in A constantly changing media environment, this class is designed for those who plan to make digital production a more central part of their professional goals. The course offers a more advanced in-depth investigation of digital media production. Additionally, students will learn how to adapt the media products, introduced in Digital Media Production I, to mobile platforms. If taken previously as a topics course, no credit can be received. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

COMM241 - Investigating Media

Course Overview

Description
What does media do to us? What are the powerful, existential risks and rewards when it comes to interacting with it? This experiential course allows students to learn how to investigate trends, explore problems, and find solutions to current topics in media. Students will learn how to design and conduct a variety of research projects and experiments to help excavate how media work and how they directly impact our world. You'll engage with various texts and case studies, learn to apply mixed-method research strategies, and come out of this course with the skills needed to succeed across different professional fields.

Semester Credits

	Maximum Variable Credits:
3	-

COMM250 - Topics in Communications

Course Overview

Description
A course that focuses on a topic of interest in the field of communications.

Semester Credits

	Maximum Variable Credits:
3	-

COMM261 - Interpersonal Communication

Course Overview

Description
This course provides an overview of the theories, practices, and processes of human communication, studying such subjects as language acquisition, signs and symbols, body language, proxemics, paralanguage, and feedback. The effects of communication on individuals, society, and intercultural issues are explored. Students identify communication problems and propose creative solutions to them. Credit for CM 261 cannot also be earned in COMM 305.-

Semester Credits

	Maximum Variable Credits:
3	-

COMM271 - Television Production

Course Overview

Description
An introduction to electronic field production (EFP), electronic news gathering (ENG), and multi-camera studio production with a special-effects switcher. 3 Lecture hours. 3 Lab hours. This course is a required course for communications majors.

Semester Credits

	Maximum Variable Credits:
0	4

COMM288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

COMM299 - Pilot Course in Communications

Course Overview

Description
A course is permitted to run as a pilot without seeking faculty approval for one academic year. The section will include the title of the course. A student will not earn credit for a pilot course and the course when approved as its own course.

Semester Credits

	Maximum Variable Credits:
3	-

COMM301 - Business & Professional Writing

Course Overview

Description
The study of the role and application of leadership principles to writing in the workplace. Writing in the workplace is not simply a matter of presenting facts and recommendations with an emphasis on clarity and focus; rather, it is the context of the task that drives the value of the resulting writing. Leaders in the workplace write to change lives and, to do so, must understand and manage the impact of their words. This approach requires an analysis of the situation and an analysis of the data used to create the written communication. A student with credit in EN 204 or WRIT 204 must get permission to enroll, eg. mutually exclusive. Prerequisite: EN 101 or EN 110.

Semester Credits

	Maximum Variable Credits:
3	-

COMM312 - Law Enforcement Intercultural Communications

Course Overview

Description
This course prepares the student to communicate effectively in both written and verbal forms within the context of a multi-cultural society. The course covers best practices in investigative reporting, written reports and memos, and interpersonal verbal communication within criminal justice settings, including interactions with victims, suspects, incarcerated persons, government officials, community leaders, staff, and civilians. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

COMM315 - Tech-Mediated Communication

Course Overview

Description
This course is a study of human communication and the effect of modern technology on it. Students review basic communication theory, including non-verbal and intercultural communication, and then evaluate the impact of technology on the effectiveness and efficiency of communication. Topics include: spoken versus written communication; synchronous versus asynchronous communication; the status of world languages on the internet; the impact of social media; modern workplace communication; and trends in the development of communication technology. Prerequisites: EN 101 or EN110.

Semester Credits

	Maximum Variable Credits:
3	-

COMM318 - Media and Morality

Course Overview

Description
What is the civic role of media in a free society? Should all free speech be protected? Should all information be shareable or is privacy needed in some cases? Students deepen their understanding of morally responsible communication in journalism, broadcasting, marketing and other media specialties by investigating these issues in our digital age. If taken previously as a topics course, no credit can be received. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

COMM320 - Strategic Media Communications

Course Overview

Description
Get hands-on experiences that will set you up for success in the fast-paced world of strategic media and communication. Learn the inner workings of advertising, public relations, and integrated marketing. Through ripped-from-the-headlines case studies, we'll bring theory to life and apply the power of media planning in real-world scenarios. This immersive journey will deepen your understanding of strategic communication practices and prepare you for your future career. If you're looking to blend creativity with strategy, delve into the latest trends in the communication landscape, and gain practical skills that employers seek, this course is for you.

Semester Credits

	Maximum Variable Credits:
3	-

COMM388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

COMM390 - Topics in Communications

Course Overview

Description
A course designed to introduce students to a special area or current topic in communications.

Semester Credits

	Maximum Variable Credits:
3	-

COMM399 - Pilot Course in Communications

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

COMM488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CORP001 - Corps of Cadets

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORP1BN - 1st Battalion

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORP002 - Corps of Cadets

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORP2BN - 2nd Battalion

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORP003 - Corps of Cadets

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORP3BN - 3rd Battalion

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORP004 - Corps of Cadets

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORPPBN - Provisional Battalion

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORPPLT - Platoon Assignment

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORPPROV - PROV Battalion

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CORPREG - Regimental Corps

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

CRIM101 - Introduction to Criminology

Course Overview

Description
Students will learn the foundational sociological theories to explain different forms of crime in society. Students will also apply these foundational theories to examine violent, property, corporate, political, environmental or victimless crime, methods of studying crime and characteristics of victims and offenders. Offered: Fall, Spring.

Semester Credits

3

Maximum Variable Credits:
-

CRIM188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

CRIM200 - Fundamentals of Intelligence

Course Overview

Description
This course will explore the field of intelligence, which is the collection and analysis of information for the purpose of forecasting events to support decision-making. Intelligence has traditionally been practiced by governments in the context of warfare and statecraft, but there are increasingly professional opportunities in the private sector as well. This course will survey intelligence history, intelligence disciplines, the structure of the U.S. Intelligence Community and intelligence oversight mechanisms. Through engagement with readings, class discussion and professionals in the field, students will leave this course both better prepared for possible work in the Intelligence Community and with a deeper understanding of a key government function. 3 Credit hours. Offered: Fall

Semester Credits

3

Maximum Variable Credits:
-

CRIM201 - Advanced Criminology

Course Overview

Description
This course builds on foundational biological, psychological and sociological theories covered in Introduction to Criminology to explain different forms of crime in society. Students may explore violent, property, corporate, political, victimless and environmental crime through a criminological lens which also includes methods of studying crime and offender and victim characteristics. The course emphasizes collection and analysis of data to test advanced criminological theory. Prerequisite: CRIM 101 or CJ 201, grade of C or higher. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CRIM209 - Methods of Social Science Research

Course Overview

Description
An examination of the methodological foundations of the social sciences; the logic and technique of empirical inquiry; the nature of social facts, the operationalization of concepts, and the construction of hypotheses; research designs including surveys, interviews, experiments, observation, and evaluation; the organization and analysis of data; graph and table construction and interpretation; the common problems of empirical social research; and research ethics. Emphasis given to criminal justice applications. 3 Lecture hours. Credit will be earned once between CJ 209, CRIM 209 and SO 209. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CRIM209L - Methods of Social Science Research Lab

Course Overview

Description
Students will take a lab section to accompany the lecture. The lab part of the course instructs students how to use and apply SPSS and other relevant software. 1 Lab hour per week. Corequisite: CRIM209. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
1	-

CRIM288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CRIM300 - Environmental Crime

Course Overview

Description
Environmental criminology provides a platform for debate and discussion of theories, laws and policy and preventative approaches to subareas including environmental law enforcement and environmental harms and crimes such as wildlife trafficking and poaching, illegal pollution, fishing or mining, threats to biodiversity, species extinction and climate change. Students will explore relevant criminological theories, conceptual tools and domestic and international laws needed for a deeper understanding of environmental crime and prevention. 3 Credit hours. Prerequisite: CRIM 101 or CJ 101. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CRIM302 - Crime and Law Enforcement Intelligence

Course Overview

Description
Criminal intelligence is a core function within government agencies such as the FBI and the DHS as well as fusion centers located at the state and local level, yet it is not well understood by the public at large. Through engagement with readings, class discussion, professionals in the field and a realistic analytical exercise, students will leave this course both better prepared for possible work in law enforcement or the Intelligence Community, as well as a deeper understanding and appreciation for the constitutional democracy. 3 Credit hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

CRIM306 - Victimology

Course Overview

Description
An examination of the role of the victim in crime and the treatment of the victim by the criminal justice system. Instruction in the use of victimization data in determining crime rates and in developing prevention programs. Review of victim assistance, restitution and compensation programs. Credit will be earned once between CJ 306 and CRIM 306. Prerequisite: CRIM 101 or CJ 201, and Grade of C or higher. Offered: Annually.

Semester Credits

	Maximum Variable Credits:
3	-

CRIM309 - Advanced Methods of Social Science Research

Course Overview

Description
Students will learn how to conduct surveys, interviews and focus groups; as well as connect the various parts of a research study including summarizing relevant literature, developing a research question or hypothesis and analyzing quantitative and qualitative data gathered via one or more of the methods mentioned above. Students will delve deeper into specific methodologies cursorily introduced in the prerequisite course CRIM 209. This course provides a bridge between CRIM 209 and CRIM 410. The course will also focus on scholarly, scientific writing, understanding, producing and give students practice in conducting ethical research prior to conducting a real study in CRIM 410. Prerequisite: Grade of C or higher in CRIM 209 or CJ 209 or SOCI 209, or Permission of Instructor. Offered: Annually.

Semester Credits

	Maximum Variable Credits:
3	-

CRIM311 - Topics Course

Course Overview

Description
This course explores specialized topics in criminology, focusing on theories, patterns, and responses to criminal behavior. Topics vary by semester and may include areas such as criminal behavior, patterns of offending, or the intersection of crime and social structures. Students will apply criminological theories and research methods to analyze crime trends, criminal justice policies, and societal responses to crime.

Semester Credits

Prerequisite: CRIM 101 or permission of instructor.
Repeatable with a different topic.

1

Maximum Variable Credits:

3

CRIM316 - Criminal Violence

Course Overview

Description

This course is designed to provide students with an understanding of the causes, patterns, and interventions related to violent crimes, including: homicide, robbery, assaults, rape, hate crimes, terrorism, and in different contexts and settings, such as gangs, the family, the workplace, and schools. Attention is also given to measuring and comparing different forms of violence, theoretical perspectives, challenges in studying violence, current events, and future implications for punishment and prevention. Credit will be earned once between CJ 316 and CRIM 316.Prerequisite: CRIM 101 or CJ 201 Grade of C or higher.

Semester Credits

3

Maximum Variable Credits:

-

CRIM320 - Drugs and Society

Course Overview

Description

This course focuses on the interrelationships between drugs and the social order. Issues considered include: the nature and effects of legal and illegal drugs; the determinants of drug effects, especially the social determinants; the history of drug prohibition; drug addiction and drug treatment; and drug policy. Credit will be earned once between CJ 320, CRIM 320 and SO 320. Prerequisite: CRIM 101 or CJ 201, or Permission of Instructor. Offered: Occasionally.

Semester Credits

3

Maximum Variable Credits:

-

CRIM330 - Terrorism

Course Overview

Description

In this course, students examine the critical issues of domestic and international terrorism. The phenomenon of terrorism is analyzed from varying theoretical and empirical perspectives. Topics include terror organizations/networks, ideology, motives, tactics, and propaganda. Attention is also given to terrorism research trends, current events, and future implications. Credit will be earned once between CJ 330 and CRIM 330. Prerequisite: CRIM 101 or CJ 201. Grade of C or higher or Permission of Instructor. Offered: Annually.

Semester Credits

3

Maximum Variable Credits:

-

CRIM350 - Capital Punishment

Course Overview

Description

This course provides students with an understanding of capital punishment in the United States, including detailed examination from the early period in 1608 to the modern day, the legal and ethical history of capital punishment and the administration of capital punishment in America. Topics include issues based on offered and victim race/ethnicity, age, class, or sex. Attention is also given to capital punishment research trends, current events, global controversies, and future implications. Prerequisite: CRIM 101 or CJ 201. Grade of C or higher. Offered: Occasionally.

Semester Credits

Maximum Variable Credits:

3

-

CRIM388 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

CRIM400 - Independent Study

Course Overview

Description

An opportunity for qualified junior and senior students to engage in an intensive research program in fields of interest not covered by regular course offerings. Periodic conferences with the professor are required. Criminology course average 3.0, cumulative GPA of 2.5. Prerequisites: CRIM 101 or CJ 201, and Grade of C or higher. Junior or higher. Permission of Instructor. Course is repeatable 2 times up to 6 hours. Offered: Occasionally.

Semester Credits

Maximum Variable Credits:

1

3

CRIM410 - Capstone Seminar

Course Overview

Description

Students will be provided the experience of synthesizing their learning by conducting intensive ethical research and analysis of major issues in criminology. Students will also be trained in conducting ethical research and the Institutional Review Board (IRB) process. CRIM 410 meets capstone requirement. Prerequisite: CRIM 309, grade of C or higher or Permission of Instructor. Junior or higher. Offered: Fall, Spring, Summer.

Semester Credits

Maximum Variable Credits:

3

-

CRIM424 - Murder: Our Killing Culture

Course Overview

Description

This course provides a comprehensive examination of the nature and extent of both the common and unusual forms of murder in the United States. The class examines characteristics, trends, and the theoretical explanations of homicide as well as the prediction and prevention of various kinds of murder. The impact of murder on homicide survivors is also examined as well as the use of murder as entertainment in our culture. The course is designed to give students greater insight into serial, spree and mass murder, intrafamilial homicide, murder in the workplace, profiling and stalking. Although emphasis is placed on the sociological determinants of murder, psychological and biological factors are also examined. Credit will be earned once between CJ 424 and CRIM 424. Prerequisites: CRIM 101 or CJ 201. Grade of C or higher. Junior or higher. Offered: Every other year.

Semester Credits

Maximum Variable Credits:

3

-

CRIM425 - Interpersonal Violence

Course Overview

Description
This course provides a comprehensive examination of the nature and extent of domestic violence in the United States. Theoretical perspectives used to explain intimate violence are examined as well as the social factors that are related to patterns of intimate and family abuse. The course discusses domestic violence from a historical and global perspective and is designed to provide students with a greater understanding of the impact of domestic abuse on victims/survivors and society as a whole. Topics including child and elder abuse; the criminal justice system's response to domestic abuse; intervention, well as related crimes such as sexual assault and intrafamilial homicides. Credit will be earned once between CJ 425 and CRIM 425. Prerequisites: CRIM 101 or CJ 201. Grade of C or higher. Junior or higher. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

CRIM444 - Crime Analysis and Mapping

Course Overview

Description
This course provides an introduction to crime analysis and crime mapping and examines techniques used to study crime and disorder patterns faced by law enforcement agencies today. The course will discuss the theory, data collection methods, analysis techniques, technology, statistics, and dissemination products used by crime analysts as well as the history of and career opportunities in crime analysis. Students will learn how to use at least two crime analysis and mapping software applications during the course of the semester. A capstone project for the course involves conducting a crime analysis and mapping project for a Vermont criminal justice agency. Credit will be earned once between CJ 444 and CRIM 444.Prerequisite: CRIM 101 or CJ 201. Grade of C or higher. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

CRIM488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CRMJ188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CRMJ288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CRMJ303 - The Study of Crime

Course Overview

Description
This course covers the various biological, psychological, and sociological types of theory that have been offered to explain the incidence of crime in society. Various types of crime, including violent, property, corporate, political and victimless crime, methods of studying crime, and characteristics of criminals are also examined.

Semester Credits

	Maximum Variable Credits:
3	-

CRMJ305 - Law Enforcement Administration

Course Overview

Description
An introduction to the principles of public Law enforcement administration as they are applied in the operation of criminal justice agencies, local, state and federal. This course will emphasize how such topics as organization, decision making, leadership style, personnel policy, planning, and budgeting are specifically adapted by criminal justice administrators to meet the needs of their agencies. Simulations will be used extensively as a tool for mastering administrative principles. Prerequisite: CRMJ 201 or CJ 101.

Semester Credits

	Maximum Variable Credits:
3	-

CRMJ307 - Cold Case Investigations

Course Overview

Description
This course examines the process of cold criminal case investigations. Students analyze the reasons why investigations become classified as a cold case and the factors involved in re-assigning or re-opening a cold case. Students also study the problems, practices and methods in investigating a cold case. Advances in forensic evidence and science are studied as they apply to criminal investigations and the ability to solve cases formally considered unsolvable. As part of this process, actual criminal cases are analyzed and discussed. Students have the opportunity to research cold cases and develop investigative approaches to solving such cases.

Semester Credits

	Maximum Variable Credits:
3	-

CRMJ340 - Investigative Interviewing

Course Overview

Description
Foundations in Interrogation offers a multidimensional and integrated perspective in the operational, legal, and ethical frameworks for interrogation tradecraft and current interrogation practitioners and managers serving in law enforcement, the military, or the intelligence community.Prerequisite: CRMJ 201 or Permission of Program Manager.

Semester Credits

	Maximum Variable Credits:
3	-

CRMJ388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CRMJ488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CS100 - Foundations of Computer Science and Information Assurance

Course Overview

Description
This survey of computing and information assurance fundamentals is required for computer science and information assurance majors. The course focuses on learning to use key concepts and terminology in information technology, computer science, networking, and information security. Discussions regarding computing ethics, safety, and professionalism are included throughout. 3 Lecture hours. Prerequisites: Open to Computer Science, Computer Security & Information Assurance, or Cybersecurity & Advanced Technology majors. Computer Crime and Forensics minor. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CS111 - Personal & Professional Cyber Safety

Course Overview

Description
An introductory, self-paced, instructor-facilitated, online individual study course recommended for freshmen, or any student wanting to use computers, email, and social media safely. Topics include: information attributes to be protected by information security; reducing identity theft risk; preventing disasters by keeping adequate backups; preventing malware attacks; enabling firewalls; using strong authentication; resisting phishing and advance-fee frauds; rejecting telephone frauds; analyzing and resisting false rumors; using email effectively and professionally; avoiding embarrassment by controlling information-sharing; avoiding violations of anti-hacking and anti-piracy laws; and, avoiding accidental plagiarism. 1 Lecture hour. Offered: Fall, Spring

Semester Credits

1

Maximum Variable Credits:
-

CS120 - Business Applications & Problem Solving Techniques

Course Overview

Description
An introductory course in management information processing. The course explores the most important aspects of information systems with specific emphasis on business applications, practical usage, and current information. The student will obtain skills in word processing, spreadsheet analysis, and presentation tools using professional software packages. Structured problem-solving techniques will be emphasized throughout the course. Practical implementation projects and case studies will be used to reinforce topics such as computer, academic, and professional ethics for an information-based society. Not open to CS or CSIA majors. Offered: Fall, Spring

Semester Credits

3

Maximum Variable Credits:
-

CS140 - Programming and Computing

Course Overview

Description
An introduction to computing concepts and programming including the design and implementation of classes and complex data types. The course uses a high-level object-oriented language and emphasizes object-oriented design and implementation techniques. Good software engineering practice and language-specific concepts are introduced by means of programming projects that illustrate the importance of software quality attributes. This course serves as the basis for more advanced programming classes. 3 Lecture hours and 2 Lab hours. Credit may not be earned for CS 140 and CYBR 210. Prerequisite: Grade of C or higher in CS 142. Offered: Fall, Spring.

Semester Credits

0

Maximum Variable Credits:
4

CS142 - Introduction to Python Programming

Course Overview

Description
A first course in fundamental computing concepts and object oriented programming using Python applied to problem solving. Designed for students with no programming background. Students learn object oriented programming concepts and syntax, variables and data types, input and output, control of the flow of logic, use of different data sources and structures, functions, modules and exception handling. Examples are drawn from diverse areas. 3 Lecture hours. Credit cannot be earned for CS 142 and for CYBR 110. Prerequisite: CS 100 or credit by exam waiver. Grade of C or higher. Offered: Fall, Spring

Semester Credits

3

Maximum Variable Credits:
-

CS188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

CS199 - Pilot course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

CS228 - Introduction to Data Structures

Course Overview

Description
An introduction to the basic concepts of algorithm analysis, data representation, and the techniques used to operate on the data. Topics include searching, sorting, linked lists, stacks, queues, trees, hash tables, graphs. 3 Lecture hours. Prerequisite: CS 140 or CYBR 210, Grade of C or higher. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

CS240 - Database Management

Course Overview

Description
A study of the concepts and structures necessary to design and implement a database management system. Various data models will be examined and related to specific examples of database management systems including Structured Query Language (SQL). Techniques of system design, system implementation, data security, performance, and usability will be examined. 3 Lecture hours. Credit cannot be also earned in CYBR 230. Prerequisite: CS 140 or CS 142, grade of C or higher. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

CS250 - Virtual Systems Administration

Course Overview

Description
This course includes a combination of classroom lecture on network and virtualization theory as well as a variety of hands on exercises to provide students with an understanding of how to configure and manage a VMware ESX environment. Students will also learn how to carry out administration tasks specific to the day-to-day operations of the NUCAC-DF. Some of these tasks will include how to build and maintain classroom environments, understanding requirements given by professors and instructors for classrooms, and overall maintenance of the systems in the Center for Advanced Computing and Digital Forensics. 3 Lecture hours. Prerequisite: Permission of Instructor. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

CS260 - Data Communications and Networks

Course Overview

Description
An introductory study in fundamental concepts of computer networks and data communication including a survey of major protocols, standards, and architectures. Students use concepts and terminology of data communications effectively in describing how software applications and network services communicate with one another. Students read and analyze network traces to monitor communications, diagnose issues, and evaluate protocols. 3 Lecture hours. Credit cannot be earned in CS 260 and CYBR 201. Prerequisite: CS 100 or credit by exam waiver, grade of C or higher. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

CS270 - Operating Systems & Parallelism

Course Overview

Description
An introduction to the theory and structure of modern operating systems, including hardware abstraction, process management, memory management, system performance, and security. Specific attention to multi-threaded processing, semaphores, locking and interprocess communication. 3 Lecture hours. Prerequisites: CS 140 or CS 142 or CYBR 210. Grade of C or higher. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

CS288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CS299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	3

CS300 - Management Information Systems

Course Overview

Description
This course provides an overview of information systems, their role in organizations, and the relationship of information systems to the objectives and structure of an organization. Management of software projects, decision making with regard to systems development, and organizational roles with regard to information systems is also discussed. Prerequisite: Not open to Computer Science or Computer Security & Information Assurance majors. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

CS301 - Software Engineering

Course Overview

Description
An in-depth introduction to the software development life cycle, the techniques of information analysis, testing, and the logical specification of software. Particular attention to project management, documentation, and interpersonal communication. Utilizing industry-standard methods, the student progresses through the phases of specification, design, implementation, and testing of information systems. Object-oriented design techniques are used to design new logical and new physical systems for business-related problems. 3 Lecture hours. Prerequisite: CS 140 or CS 142 or CYBR 210. Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

CS307 - Augmented Reality

Course Overview

Description
Humans perceive reality through sensory channels; vision, acoustic, touch, olfactory and taste. Current computer, network and electronic technologies make it feasible and cost effective to augment this perception of reality, providing information about, in addition to or in place of, what the senses convey. This course introduces the area of augmented reality, AR, looking first at what you perceived reality tells and doesn't tell us, then at what we want to augment in that reality. It covers current hardware technologies used in AR and the software used to create and perform AR. Students will experience AR by building and testing AR applications. The course looks at several sectors of industry currently using and/or developing AR applications for their use, and at the future evolution of AR. Credit will not be earned if previously taken as CS 399 topics course. Prerequisite: CS 142 or CS 140 and CS 260, Grade of C or better. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

CS312 - Assembly Language and Reverse Engineering

Course Overview

Description
An introduction to assembly language and reverse engineering, including relationship among machine language, assemblers, disassemblers, compilers and interpreters. This course provides requisite skills for computer forensics, malware analysis and cryptology. 3 Lecture hours. 2 Lab hours. Credit may be earned for CS 312 or CS 212 but not both. Prerequisite: Grade of C or higher in CS 140 or CYBR 210. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
0	4

CS323 - Surveillance and Privacy in Germany

Course Overview

Description
An introduction to and comparison between legal, social, historical, political, and technical issues surrounding surveillance and privacy in Germany and the United States. In addition to surveillance and privacy, students research, analyze, and discuss issues of transparency, free speech, democratic dissent, social control, corporate and governmental power, and political parties. 3 Lecture hours. Prerequisite: CS 100 or credit by exam waiver, Grade of C or higher. Offered: Summer

Semester Credits

	Maximum Variable Credits:
3	-

CS330 - Ethics in Computing and Technology

Course Overview

Description
The course examines ethical dilemmas resulting from current technological trends, as well as the ethical standards and creeds of a variety of organizations (e.g., Association for Computing Machinery). Students learn to evaluate case studies from an ethical perspective. Students are expected to conduct literature surveys, produce bibliographies, write literature reviews, and present oral summaries of research as well as offer critical evaluation of writings related to ethics and technology. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

CS388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CS399 - Pilot course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

CS406 - Topics Course

Course Overview

Description
A study of topics chosen from areas of current interest that are not offered as part of the permanent curriculum. Topics are chosen by instructors on a semester-by semester basis. Students may take the course up to five enrollments provided each semester taken covers a substantively different topic. 3 Lecture hours. Prerequisite: Permission of Instructor. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
1	4

CS407 - Politics of Cyberspace

Course Overview

Description
This course explores the interrelations of modern computing and communications technology with politics, power, news, privacy, crime, and creativity. The course assumes only a rudimentary familiarity with the basic concepts and terminology of modern Internet usage and computing and is not a technology-focused course. Prerequisite: Sophomore 2 or higher. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

CS410 - Computing Internship

Course Overview

Description
Written academic products are required. A supervisor within the sponsoring organization must provide a written description of the internship beforehand, and a final performance evaluation of the student. Students may take the course more than once, up to a maximum of 18 hours earned credit, provided each semester taken covers a substantively different topic. Earned internship credit may be applied to not more than two required CS/CSIA major technical/concentration electives. Prerequisites: Junior or higher. Good academic standing. Permission of Instructor and CS/CSIA Department Chair or Director approval. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
1	6

CS420 - Computer Science capstone I

Course Overview

Description
A two-semester course sequence normally taken in the Senior year. Based on the subject matter mastered during their previous coursework, students (individually or in a group) identify a current topic to study in depth. As part of their studies, they develop either a working software project or produce a substantial data or hardware artifact. This course represents the first semester of a students work towards such a project. Prerequisites: Junior or higher. Computer Science major. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

CS421 - Computer Science capstone II

Course Overview

Description
As the second semester of the two-course capstone sequence, this course serves as a continuation of CS 420. Prerequisite: CS 420. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

CS430 - Computer Science Undergraduate Thesis I

Course Overview

Description
The computer science undergraduate thesis is a two-semester course sequence normally taken in the Senior year. The course introduces students to the breadth of tasks involved in independent research, including library work, problem formulation, experimentation, and writing and speaking. Based on the subject matter mastered during previous coursework, students (individually or in a group) identify a current topic to study in depth. Students produce an original research paper. This course represents the first semester of a student's work towards such a project. Prerequisites: Junior or higher. Computer Science major. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

CS431 - Computer Science Undergraduate Thesis II

Course Overview

Description
The second semester of the two-course thesis sequence. Prerequisite: CS 430. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

CS488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CSIS370 - Computer Architecture and Reverse Engineering

Course Overview

Description
An in-depth introduction to the fundamentals of contemporary computer architectures, reverse engineering and computer networking. The students become familiar with different types of data presentation and manipulation. Then, they explore different types of computer architectures and reverse engineering methods, computer networks, cloud computing and operating systems used in the context of various computer architectures. A mixture of lectures, real-life examples, discussions, assignments and assessments are used to facilitate students' learning and evaluate their progress throughout the course. Written communication and presentation skills are emphasized in course assignments and assessments. 3 credits. Prerequisite: CS 270 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
4	-

CSIS400 - Computer Science and Information Systems Capstone

Course Overview

Description
This is the final course in the Bachelor of Science in Computer Science and Information Systems program. As the culmination of the BSCO program, students will incorporate the knowledge learned from the previously taken courses in the degree plan. Topics covered include Computer Programming in both a higher-level language and a lower-level language, Data Structures, Software Engineering, Operating Systems & Parallelism, Computer Architecture & Reverse Engineering, and Data Base Administration. Prerequisites: All CSIS, EE, MA, MATH and CYBR courses. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

CYBR110 - Introduction to Computer Programming

Course Overview

Description
This is a hand-on introductory course to computer programming using high-level coding language. Topics covered include program design, variables, data types, control structures, functions, classes, abstraction, and object-oriented concepts. Debugging, quality software engineering techniques, and security concerns will be discussed throughout. This course requires a C or higher for successful completion. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

CYBR188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CYBR201 - Fundamentals of Computer Networking

Course Overview

Description
This course is the study of the core theories and protocols that are the foundation of computer networking. The Open Systems Interconnection (OSI) model and the Transmission Control Protocol/Internet Protocol (TCP/IP), protocol suite are discussed in detail. This course provides a detailed overview of networking terminology, while examining the different networking topologies and architectures.

Semester Credits

	Maximum Variable Credits:
3	-

CYBR210 - Computer Programming with a High Level Language

Course Overview

Description
This course covers the fundamental concepts of computer programming, using a high level scripted programming language. The course emphasizes design and implementation standards. This course is designed to provide the skills necessary to become an effective cyber security practitioner. Credit may not be earned for CS 140 and CYBR 210. Prerequisite: CYBR 110 or concurrent enrollment.

Semester Credits

Maximum Variable Credits:

3

-

CYBR215 - Computer Programming with a Low Level Language

Course Overview

Description

This course covers the fundamental concepts of computer programming, using a low-level scripted programming language. This course is designed to provide the skills necessary to understand basic computer architecture, allowing the cyber security specialist to better identify, understand and remove security threats at the machine level.

Semester Credits

Maximum Variable Credits:

3

-

CYBR220 - Windows Server Administration

Course Overview

Description

This course provides students with the skills necessary to design, implement, manage and protect a Microsoft Windows Server Active Directory Domain. Students apply the lessons learned in this course by implementing an Active Directory Domain in a virtual environment.

Semester Credits

Maximum Variable Credits:

3

-

CYBR225 - Linux Administration

Course Overview

Description

This course provides students with the necessary knowledge and skills to install, configure, upgrade and manage a Linux operating system in an enterprise network. Additionally, students learn to perform normal business operations using the Linux Operating system.

Semester Credits

Maximum Variable Credits:

3

-

CYBR230 - Relational Databases with SQL

Course Overview

Description

This course covers the fundamental concepts of relational databases and the scripted Structure Query Language (SQL) language used to manage them. Students learn how to design functional relational databases that conform to industry standards. Credit cannot be also earned in CS 240.

Semester Credits

Maximum Variable Credits:

3

-

CYBR288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CYBR320 - Vulnerability Testing I

Course Overview

Description
This course is the first of a two-part introduction to Penetration Testing and Vulnerability Assessment. This course presents the concepts, tools, and techniques used for penetration testing, vulnerability exploitation, assessment, reporting, and forensics; teaches multiple attack vectors as well as the defensive measures protecting against such attacks; focuses heavily on post-attack forensics allowing for a complete picture of the attack process. The course introduces several open- source tools such as the Metasploit framework, Nmap, Nessus, Wireshark and Kali Linux. This course includes hands-on lab exercises using a virtual computer environment. Prerequisite: Permission of Program Manager

Semester Credits

	Maximum Variable Credits:
3	-

CYBR341 - Foundations in Cyber Law and Cybercrime

Course Overview

Description
The computer has become a common toll in crime. This course examines the nature and scope of cybercrime and the legal response to high-tech crime including the challenges presented to legal frameworks. The lectures and readings identify and discuss core cybercrime issues and the prevailing legal authorities statutes, regulations, policies that address these issues. The course also examines developing trends in cybercrime and cyberlaw. Students learn about the global nature of computer crime and examine national and international laws, regulations and agreements that govern computer crime including computer investigations, prosecution and defense. The course encourages analytical thinking and reasoning about computer crime topics and relevant legal issues so that students can identify, analyze and solve problems in the continually emerging cybercrime and cyberlaw issues and trends. The course explores legal responses to cybercrime including regulatory and law enforcement initiatives aimed at combating computer crime. This course provides the student with an ability to perform basic forensic techniques and use appropriate media analysis software. Knowledge of the security, structure and protocols of network operating systems and devices will be covered as students learn to gather evidence in a networked environment and to image and restore evidence properly without destroying its value. The student will learn and practice gaining evidence from a computer system while maintaining its integrity and a solid chain of custody. Within the laboratory, the student will gain hands-on experience in the use of current investigative tools. The students will classify and arrange forensics data based on its value to the case. Credit will be earned once between CJ341 and CYBR 341.

Semester Credits

	Maximum Variable Credits:
3	-

CYBR370 - Introduction to Information Warfare

Course Overview

Description
This course introduces students to the overall concept of Information Warfare (IW) and Information Operations (IO), particularly with regard to the US Federal government and the Department of Defense. Introduction to IW / IO surveys the development of Information Warfare (IW) and Information Operations (IO) as these elements of power have become more important for the United States Department of Defense (DoD) and Federal Government as a whole. The course assumes only a rudimentary familiarity with the basic concepts and terminology of modern Internet usage and computing and is not a technology-focused course.

Semester Credits

	Maximum Variable Credits:
3	-

CYBR380 - Offensive Information Warfare

Course Overview

Description
Students learn how Offensive Information Warfare is executed at the technical level and the defensive measures cybersecurity professionals use to prevent them. The following principles from the National Security Agency and Department of Homeland Security Information Assurance/Cyber Defense Knowledge Units are examined: Cyber, Defense, Cyber Threats, IA Fundamentals, Policy, Legal, Ethics, and Compliance, Network Defense and Networking Technology and Protocols. Prereqs: CYBR 370 or concurrent enrollment or Program Manager permission.

Semester Credits

	Maximum Variable Credits:
3	-

CYBR382 - Defensive Information Warfare

Course Overview

Description
This course introduces students to the overall concept of Defensive Information Operations (D-IO), which are conducted across the range of military operations at every level of war to achieve mission objectives. Combatant commanders and mission owners must carefully consider their defensive posture and strategy in order to deter and defeat adversary intrusion while providing mission assurance. Upon completion of this course, students develop a defensive strategy by analyzing risk, cyberspace terrain, mission priorities, and utilizing threat intelligence. Pre-requisite CYBR 370 or concurrent enrollment or Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

CYBR388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

CYBR400 - Cyber Capstone

Course Overview

Description
This is the final course of the program in which students analyze and synthesize program learning by examining a chosen organization's network infrastructure and security posture. Students present an in-depth analysis paper as their final deliverable. Prerequisites: CYBR 442, DF 311, DF 312, DF 411, CYBR 320, CYBR 420 or CYBR 370, CYBR 380, CYBR 382, CS 407, POLS 302, CYBR 410 or Permission of the Program Manager. This course may not be satisfied by transfer credit.

Semester Credits

	Maximum Variable Credits:
6	-

CYBR410 - Systems Assurance

Course Overview

Description
This course focuses on the design considerations involved with the security of site design. The course will also provide and understanding of the Levels of Trust and system accreditation/certificate processes. Life cycle management of software, hardware, and physical plant, from planning through destruction will be examined and reinforced using case studies. Additionally, understanding of the variety of security systems involving computers and networks and an ability to evaluate vulnerabilities will be discussed.

Semester Credits

	Maximum Variable Credits:
3	-

CYBR420 - Vulnerability Testing II

Course Overview

Description
This course is the second of a two-part introduction to Penetration Testing and Vulnerability Assessment. This course presents the concepts, tools, and techniques used for penetration testing, vulnerability exploitation, assessment, reporting, and forensics; teaches multiple attack vectors as well as the defensive measures protecting against such attacks; focuses heavily on post-attack forensics allowing for a complete picture of the attack process. The course introduces several open- source tools such as the Metasploit framework, Nmap, Nessus, Wireshark, Vistumbler, BurpSuite, Nikto, Cain and Abel, Aircrack-ng Suite, John the Ripper, Social Engineer Toolkit and Kali Linux. This course includes hands-on lab exercises using a virtual computer environment. Prerequisite: CYBR 320 or Permission of Program Manager.

Semester Credits

	Maximum Variable Credits:
3	-

CYBR442 - Foundations in Computer Forensics

Course Overview

Description
This course provides the student with an ability to perform basic forensic techniques and use appropriate media analysis software. Knowledge of the security, structure and protocols of network operating systems and devices will be covered as students learn to gather evidence in a networked environment and to image and restore evidence properly without destroying its value. The student will learn and practice gaining evidence from a computer system while maintaining its integrity and a solid chain of custody. Within the laboratory the student will gain hands-on experience in the use of current investigative tools. The students will classify and arrange forensics data on its value to the case. Credit will be earned once between CJ 442 and CYBR 442. Prerequisite: CYBR 341 or CJ341.

Semester Credits

	Maximum Variable Credits:
4	-

CYBR488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

DF188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

DF242 - Computer Forensics I

Course Overview

Description
This course provides the student with an ability to perform basic forensic techniques and use appropriate media analysis software. Knowledge of the security, structure and protocols of network operating systems and devices are covered as students learn to gather evidence in a networked environment and to image and restore evidence properly without destroying its value. Students learn and practice gaining evidence from a computer system while maintaining its integrity and a solid chain of custody. Within the laboratory, students gain hands-on experience in the use of current investigative tools. 3 Lecture hours and 2 Lab hours. Cross-listed as CJ 442, cannot earn credit in DF 242 and CJ 442. Prerequisites: CS 100, grade of C or higher or sufficient score on the CS 100 waiver exam. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
0	4

DF288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

DF299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

DF311 - Network Forensics

Course Overview

Description
Introduces digital forensic concepts and practices on local area networks, wide area networks and large scale networks such as the Internet. Lectures include topics based on table of contents in (Davidoff and Ham 2012) such as investigative techniques, and how to conduct an investigation, manage evidence and follow a cyber-trail. A large part of the course involves demonstrations and hands-on labs, including: use of network forensic tools such as packet monitors, security information and event managers (SIEMs), tracers, and other tools useful for analyzing events. Many of the labs involve analysis of packet captures of both actual attacks and theoretical malfeasance by offenders. Students have a final lab exercise instead of a final exam and are expected to research and present a final project. Prerequisite: CS 260 or CYBR 201 and CS 140 or CYBR 210 or CS 142. Grade of C or higher. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

DF312 - Malware Forensics

Course Overview

Description
This predominantly laboratory-based course is an introduction to malware forensics including both static and dynamic analysis. Students study profiling, malware behavior, behavior of malware on computer networks, anti-reversing and anti-debugging techniques, and packers. Prerequisites: CS 312 (prior CS 212) or CYBR 215 and DF 242 or CJ 442. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

DF388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

DF395 - Cyber Criminalistics

Course Overview

Description
This survey course uses lecture, case studies and hands-on lab exercises in digital investigation and cyber forensics to introduce students to the investigation and analysis of cybercrime and cyber criminals. Topics include: cybercrime typology, cyber-criminal profiling, network tracking, introduction to the tools of the cyber- criminalist, techniques of cybercrime scene assessment, digital evidence management and analyzing the forensic remnants of a cyber event. During the course of the laboratory exercises, students create a personal lab notebook recording their lab exercises and manage evidence including maintaining a proper chain of custody. Prerequisites: Criminal Justice major. Sophomore 2 or higher. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

DF411 - Cyber Investigation

Course Overview

Description
An introduction to cyber investigation, including elements of cybercrime, cyberwarfare and cyberterrorism. The course examines investigative techniques for cyber-investigators, case studies of representative cybercrimes and cyber warfare incidents, some cyber investigation tools and expert witnessing. The course builds up to a mock trial where students act as a cyber-investigation task force on an actual case of cybercrime. This is a course that incorporates extensive reading as well as hands-on lab exercises. Prerequisites: DF 242 or CJ 442. Sophomore 2 or higher. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

DF425 - Advanced Digital Forensics

Course Overview

Description
Students combine concepts learned through prerequisite digital forensics classes and apply that knowledge to new and emerging technological threats and challenges. Content is taught via lecture, and extensive hands-on and research-based application of knowledge to recover and analyze evidence from a range of disparate devices and contexts including: mobile phones analysis and tools; anti-forensic techniques; Internet of Things (IoT) sources; Cloud/online based sources; and, embedded systems and devices. Particular reference will be made throughout the class to existing relevant legal and ethical frameworks. 3 Lecture hours. Prerequisites: DF 242, DF 311. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

DF488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

DUTY100 - Cadet Duty Assignment

Course Overview

Description
-

Semester Credits

	Maximum Variable Credits:
0	-

EC106 - The Structure and Operation of the World Economy

Course Overview

Description
This course will introduce students to the operation of the world economy. Emphasis will be on the identification and description of economic concepts such as tariffs, multinational companies, stock markets, debt, international trade balances and international banking. These concepts will be developed utilizing examples from current world economic conditions. Prerequisite: Freshman standing.

Semester Credits

3

Maximum Variable Credits:
-

EC188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

EC199 - Economics Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

3

Maximum Variable Credits:
-

EC201 - Principles of Economics (Macro)

Course Overview

Description
Description and analysis of the American economic system in terms of basic economic concepts and the determination of national income and its fluctuation. Credit may not be earned in EC 201 and ECON 201. A student with credit in ECON 250 cannot earn additional credit in EC 201 or ECON 201 e.g. mutually exclusive. Prerequisite: One semester of college mathematics at the 100-level or higher.

Semester Credits

3

Maximum Variable Credits:
-

EC202 - Principles of Economics (Micro)

Course Overview

Description
Study of the behavior of individuals in making decisions on the allocation of limited resources. This course examines how these decisions and behaviors affect the markets for goods and services. Credit may not be earned in EC 202 and ECON 202. A student with credit in ECON 250 cannot earn additional credit in EC 202 or ECON 202 e.g. mutually exclusive. Prerequisite: One semester of college mathematics at the 100-level or higher.

Semester Credits

3

Maximum Variable Credits:
-

EC288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EC299 - Pilot

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	3

EC310 - Money and Banking

Course Overview

Description
The principles and institutions of money, banking and finance as they influence the performance of the economy. The major topics covered are the nature of money, commercial banking and financial institutions, central banking, monetary theory, monetary policy, inflation and the international monetary system. Prerequisites: EC 201, EC 202; QM 213 or MA 232.

Semester Credits

	Maximum Variable Credits:
3	-

EC388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EC406 - Public Finance

Course Overview

Description
An investigation of the effects of government expenditures and revenues on the efficiency of resource allocation and the equity of the income distribution. Topics covered include public goods, externalities, benefit-cost analysis, the structure of major taxes and expenditure and tax incidence. Cross-listed with ECON 401, not permitted to earn credit for both EC 406 and ECON 401. Prerequisites: EC 201, EC 202; Management Major only. Offered: Occasionally

Semester Credits

3

Maximum Variable Credits:
-

EC419 - International Economics

Course Overview

Description
International trade and the theory of comparative advantage. Special attention is given to free world trade and economic development in other countries and groupings as in the European Common Market. Prerequisites: EC 201, EC 202. Offered: Fall, odd years.

Semester Credits

3

Maximum Variable Credits:
-

EC488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

EC499 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

0

Maximum Variable Credits:
3

ECON188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ECON250 - Seminar in Economics

Course Overview

Description
An intensive introduction and overview of the principles of macro-and micro-economics. The course begins with a high-level analysis of the U.S. economy and then moves to a more in-depth look at topics such as production and output, price formation, economic growth, and the challenges of international trade, including issues related to international banking and stock markets. Credit cannot be earned in both ECON 250 and EC 201 (ECON201) and/or ECON 250 and EC 202 (ECON 202), e.g. mutually exclusive.

Semester Credits

6

Maximum Variable Credits:
-

ECON288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ECON313 - Socio-Economic Studies

Course Overview

Description
Students explore tenets and characteristics of various economics systems, analyze economic indicators, conceptualize problems and recommend possible solutions. 3 credits.

Semester Credits

3

Maximum Variable Credits:
-

ECON388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ECON401 - Economic Studies

Course Overview

Description
In this regional economics course, students complete a research project to analyze the economy of a country or region of interest. Students survey and evaluate the economic institutions and infrastructure of the region. Local, regional and global challenges and opportunities that exist in the region will be explored. The study will include recommendations for improving the well-being of people by strengthening the region's economic institutions and infrastructure. The course will culminate with a substantive research paper. Cross-listed with EC 406, not permitted to earn credit for both EC 406 and ECON 401. Prerequisites: ECON 310 or Permission of Department Chair.

Semester Credits

6

Maximum Variable Credits:
-

ECON488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ECON588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ED104 - Foundations of Education

Course Overview

Description
This course examines the historical, sociological, and philosophical foundations of the American educational system. Current trends in education will be reviewed and evaluated. Issues affecting the role of the teacher, including school governance and finance, legal foundations, social influences, and educational reform will be explored. 3 Lecture hours. Offered: Fall, Spring

Semester Credits

3

Maximum Variable Credits:
-

ED188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ED234 - Learning and Teaching Strategies

Course Overview

Description
Students practice and evaluate the most commonly used teaching strategies in elementary and secondary classrooms. Topics include planning, instructional objectives, educational technology and assessment of learning. All students participate in micro-teaching situations, and are introduced to current standards for their respective disciplines. These include but are not limited to the C3, Next Generation, Common Core, SHAPE and ISTE standards. Students are also introduced to Vermont's Core Teaching Standards (CTS), the inTASC standards for which the CTS were derived and the Vermont Licensure Portfolio. 4 Lecture hours and 12 hours of classroom observation required. Prerequisite: ED 104. Offered: Fall

Semester Credits

	Maximum Variable Credits:
4	-

ED262 - Child Growth and Development

Course Overview

Description
Students trace the development of the human being cognitively, linguistically, socially, emotionally and physically from conception to the onset of adolescence. Students examine various theories of learning, language acquisition, attachment, moral development and intelligence. Special attention is given to genetic, environmental, epigenetic factors and how they affect academic readiness and academic performance in school. 3 Lecture hours. Prerequisite: PY 211. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

ED288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ED299 - Education Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

ED315 - Special Needs Child

Course Overview

Description
An introduction to the developmental, emotional, behavioral, and learning characteristics of the special child. Topic areas include learning disabilities, intellectual disabilities, emotional disorders and physical disabilities. Also included are federal and state laws, regulations, curricular adaptations and integration strategies. Prerequisite: ED 234. Offered: Spring

Semester Credits

Maximum Variable Credits:

3

-

ED351 - Methods of Teaching Science to Elementary Students

Course Overview

Description

Students examine objectives, methods and content in elementary science instruction. Emphasis is on learner preparation, teaching and carrying out science activities. The Next Generation Science Standards (NGSS) as well as the Vermont endorsement standards of Elementary Education are examined and used for planning. This course cannot be used to meet general Education Goal 4. 3 Lecture hours and 10 Practicum hours. Prerequisite: ED 234. Offered: Spring

Semester Credits

Maximum Variable Credits:

3

-

ED364 - Language and Literacy I

Course Overview

Description

Students in this course learn and apply the research on best practice for teaching literacy to elementary age children. Students learn multiple domains of language that relate to instruction including phonology, orthography, morphology and other crucial language systems and patterns upon which proficient reading and spelling depends. A series of dynamic strategies of teaching literacy skills to elementary children are introduced. 4 Lecture hours and12 Practicum hours. Credit cannot be earned in both ED364 and ED360. Corequisite: ED 234. Offered: Fall

Semester Credits

Maximum Variable Credits:

4

-

ED367 - Language and Literacy II

Course Overview

Description

Students gain in depth knowledge of phonetics, phonology, orthography and morphology which are the building blocks for effective teaching of word recognition, vocabulary and spelling. Various methodologies for teaching vocabulary acquisition and reading comprehension are emphasized in this course as well as story grammar and approaches to effectively teach writing. Students learn strategies for assessment and instructional intervention and work closely with the State of Vermont endorsement requirements as well as the Common Core standards. 3 Lecture hours. Prerequisite: ED 361 Offered: Spring

Semester Credits

Maximum Variable Credits:

3

-

ED368 - Curriculum & Methods in Secondary Subjects

Course Overview

Description

An examination of the curriculum and teaching strategies associated with the subjects taught in the secondary school, including English, mathematics, science, and social studies. Students will learn about the general methods for teaching at the Middle/High school level, but will concentrate on their area of content concentration in both their practicum and final project. Knowledge and research in child growth and development is used as a guide for determining the curriculum materials and procedures that are suitable for secondary education students. Students work with adolescents, develop curriculum, and teach lessons in the Middle/High School. Students will keep a reflective journal of all their experiences in the practicum. Required for Teacher Education Licensure secondary track. 30 Practicum hours will be required in this course. Development of a portfolio continues. Offered: Fall

Semester Credits

Maximum Variable Credits:

4

-

ED377 - Instructional Methods in the Social Studies

Course Overview

Description

Students study aspects of the social studies including history, culture, society, politics and its importance in elementary and secondary school settings. Students examine historical content, how we have developed our understanding of historical events and how to think critically about topics related to social studies. Attention is given to pedagogical practice for social studies teachers with a strong emphasis on diversity, equity and inclusion. Students analyze examples of classroom behavior through the lens of multicultural and social justice education and they consider the challenging nature of managing diverse classroom spaces. 3 Lecture hours. Prerequisite: ED 234. Offered: Fall

Semester Credits

Maximum Variable Credits:

3

-

ED388 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

ED401 - Topics in Education

Course Overview

Description

In this course students are involved in individual investigation, survey, or a project related to education.

Semester Credits

Maximum Variable Credits:

1

-

ED403 - Topics in Education

Course Overview

Description

In this course the student has an opportunity to select and read in a specific area of interest in education that is not available through regular course offerings.

Semester Credits

Maximum Variable Credits:

3

-

ED425 - Student Teaching

Course Overview

Description
Student Teaching is the penultimate experience for students working to earn a recommendation for a Level 1 Vermont State teaching license. It entails a semester of full-time teaching experience totaling 13-15 weeks. For two of these weeks, the student teacher teaches solo, conforming to all of the duties and expectations of a regular classroom teacher. Prerequisites: Successful completion of all required Education courses. Senior standing. GPA requirements fulfilled; praxis exams(s) passed or equivalent and Permission of Department Chair. Restrictions: Senior Education Licensure seeking students. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
12	-

ED432 - Curriculum and Methods of Instruction

Course Overview

Description
Students explore the curriculum and instructional strategies associated with the subjects taught in K-12 learning environments. Knowledge and research in child growth and development is used as a guide for determining the curriculum materials and procedures that are suitable for students. Students complete parts of the Vermont Licensure Portfolio and they collaborate with peers to demonstrate their competencies in the Core Teaching standards. Required for all Education and Physical Education students. 4 Lecture hours and 30 Practicum hours required. Prerequisite: ED 234. Restrictions: Education and Physical Education students. Goal 7. Offered: Fall

Semester Credits

	Maximum Variable Credits:
4	-

ED480 - Education Internship

Course Overview

Description
Designed specifically for Degree option Education students, this course enables students to be placed in a traditional or non-traditional educational setting for hands on service learning experience. Course assignments and required hours are specific to the internship placement, and the number of credits selected for the course. Students seeking a 12 credit experience must fulfill 13-15 weeks of full day internship experience in an assigned setting. Contact hours for fewer credits will match the University model for contact hours and workload. Course is repeatable 4 times up to 12 hours. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	12

ED488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ED570 - Teaching and Learning I

Course Overview

Description
This seminar introduces students to key topics related to teaching and learning. Students in this seminar focus on developing a philosophy of teaching and learning and on designing and presenting a learning experience. Graduate Certificate course only.

Semester Credits

	Maximum Variable Credits:
0	6

ED571 - Teaching and Learning II

Course Overview

Description
This seminar deepens students understanding of key issues involved in teaching and learning. A focus of this seminar will be to develop a course syllabus. Students will complete the seminar with a portfolio a sample letter to a future employer, a philosophy statement, a learning experience document and a resume or CV that will help them obtain employment. Graduate Certificate course only. Prerequisite: ED 570.

Semester Credits

	Maximum Variable Credits:
0	6

ED588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EE100 - Electrical Engineering Applications

Course Overview

Description
This course introduces discipline-specific tools as a context for designing and conducting experiments as well as solving engineering problems related to electrical and computer engineering or a thematic problem area of societal importance. Design projects will include the technical and non-technical aspects of engineering design. This course presumes an understanding of engineering design and problem solving processes. 2 Lecture hours and 3 Lab hours. Prerequisite: Open only to students in the Electrical and Computer Engineering major or the Engineering major, or the Mechanical Engineering major or the Civil Engineering major.

Semester Credits

	Maximum Variable Credits:
0	3

EE121 - Introduction to Electrical and Computer Engineering Lab

Course Overview

Description
An introduction to engineering best practices for experimentation, project design and oral and written communications through laboratory experiments and hands on projects. Application of engineering design includes non-technical aspects of engineering. Emphasis on Electrical and Computer Engineering problems. Prerequisite: MA 005, grade of C or higher or Math Placement into MA 095 or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
2	-

EE188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EE199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	3

EE200 - Engineering Programming

Course Overview

Description
Introduction to a high level programming language such as C/C++. Topics include structure and organization of a computer program, variables and basic data types, flow of control, functions, file I/O, arrays and strings, computer memory, CPU and pointers, user defined structures, computer algorithms, modular design and documentation. Introduction to object oriented programming concepts. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

EE202 - Engineering Artificial Intelligence

Course Overview

Description
This course introduces theory and engineering applications of machine learning, including neural networks and deep learning, fuzzy logic, genetic algorithms and statistical methods for supervised, unsupervised and semi-supervised learning. Students will experience programming in AI language tools. Potential areas for further exploration include expert systems, ethical AI, power systems, robotics, natural language processing and computer vision. 3 Lecture hours and 2 Lab hours. Prerequisite: EE 200 or CS 140, Grade of C- or higher. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
0	4

EE204 - Electrical Circuits I

Course Overview

Description
A study of principles and methods of analysis of electric circuits with both direct and time varying sources in the steady state. KCL, KVL, mesh and nodal techniques. Network theorems are developed and applied to the analysis of networks. Energy storage elements. First order and second order circuits with forced and natural responses. Sinusoidal analysis, complex numbers, phasor diagrams. Power; average effective, and complex power in single phase systems. 3 Lecture hours. Prerequisite: MA 122 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
3	-

EE206 - Electric Circuits for Non Electrical Engineering Majors

Course Overview

Description
An introduction to fundamental principles of electrical circuits, DC and AC circuit analysis techniques, AC power, frequency response, electric motors, operational amplifiers. 3 Lecture hours and 2 Lab hours. Prerequisite: MA 122. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
0	4

EE215 - Fundamentals of Digital Design

Course Overview

Description
An introductory course on formal design techniques for combinational and sequential logic circuits. Topics include combinational logic networks, minimization techniques, registers, synchronous sequential networks, and control units. Applications of the concept developed in the classroom will be implemented in the laboratory. 3 Lecture hours and 2 Lab hours.

Semester Credits

	Maximum Variable Credits:
0	4

EE288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EE299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

EE303 - Electromagnetic Field Theory I

Course Overview

Description
Maxwell's Equations are developed from the experimental laws of electric and magnetic fields. Topics involving electric fields include Gauss's Law, divergence, energy, potential, conductors, dielectrics, and capacitance. Topics involving magnetic fields include the Biot-Savart Law, Ampere's Law, magnetic forces, magnetic materials, and inductance. Maxwell's Equations are used to describe wave motion in free space and in dielectric media. 3 Lecture hours. Prerequisites: MA 223, EE 204.

Semester Credits

	Maximum Variable Credits:
3	-

EE321 - Embedded Systems

Course Overview

Description
The use of computing devices in embedded applications is introduced. Computer organization topics include the functional architecture of microcontrollers, timing and control, memory, serial and parallel I/O ports, and the bus system. Additional topics include peripheral interface control, interrupts, serial communication, and applications. Programs are written and run in assembly language or higher-level languages. This course presumes and introductory-level understanding of structured programming techniques. 3 Lecture hours and 2 Lab hours. Prerequisite: EG 110 or EE 200 or CS 140 or CYBR 210.

Semester Credits

	Maximum Variable Credits:
0	4

EE323 - Computer Architecture

Course Overview

Description
Compare different machine architectures such as analyzing machine performance relationships, computer classifications, and computer description languages. Consider alternative machine architectures and the software influences on computer design. Topics include digital logic, microarchitecture level, instruction set level, operating system level, assembly language level, parallel computer architectures. Examples are drawn from the Core i7, OMAP4430 and ATmega168, hardware as well as ARM and AVR instruction sets. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

EE327 - Introduction to Mechatronics

Course Overview

Description
Introduction to fundamental concepts and design process of mechatronic systems which require the integration of mechanisms, electronics and control. Topics include analog and digital electronics, sensors, actuators, microprocessors and control interfacing with electromechanical systems.Prerequisite: EE 206 and ME 100 or EE 204 and EE 200 or Instructor Permission. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
0	4

EE350 - Linear Systems

Course Overview

Description
This course provides the foundations of signal and system analysis. Linear, time-invariant, causal, and BIBO stable analog and digital systems are discussed. System input-output descriptions, convolution and the impulse response are covered. Additional topics include singularity functions, Fourier and Laplace circuit analysis, circuit transfer functions, Bode plots, ideal filters, real filters including Butterworth, Chebyschev, and Elliptic. Discrete topics include the transform, difference equations, FIR and IIR filters, the bilinear transformation, the DTFT, the DFT, and the FFT. 3 Lecture hours. Prerequisite EE 356.

Semester Credits

	Maximum Variable Credits:
3	-

EE356 - Electrical Circuits II

Course Overview

Description
This course is a continuation of Electric Circuits I EE 204. The complete solutions of linear circuits by Laplace transforms are developed. The concepts of frequency response, resonance, network functions, two port networks including hybrid parameters are studied in depth. The concepts of transformers, power, coupled circuits, multi-phase circuits, and Fourier series are introduced. Computer-based circuit simulation is used throughout. 3 Lecture hours. Prerequisite: EE 204.

Semester Credits

	Maximum Variable Credits:
3	-

EE357 - Electronics I

Course Overview

Description
The basic building blocks used in electronic engineering are studied. Diodes, bipolar transistors, and MOS transistors are modeled and then used to describe the operation of logic gates and amplifiers. Emphasis is placed on the operation and applications of standard integrated circuit chips. 3 Lecture hours. Prerequisite: EE 204.

Semester Credits

	Maximum Variable Credits:
3	-

EE359 - Electrical Engineering Laboratory

Course Overview

Description
Implementation, analysis, and design of electric and electronic circuits involving resistors, inductors, capacitors, diodes, bipolar transistors, MOS transistors, operational amplifiers and filters. Study and practice in the use of standard electrical engineering laboratory instrumentation. 2 Lab hours. Prerequisite: EE 215; EE 356 and EE 357 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
1	-

EE366 - Electronics II

Course Overview

Description
This course is a continuation of Electronics I EE 357. Analog and digital circuits are discussed. Analog topics include frequency response, real world applications of operational amplifiers, power amplifiers, filters, oscillators and A/D and D/A converters. Digital electronic building blocks are discussed, including flip-flops, counters, coding and decoding circuits and memory. 3 Lecture hours and 2 Lab hours. Prerequisites: EE 357, EE 359.

Semester Credits

	Maximum Variable Credits:
0	4

EE373 - Electrical Energy Conversion

Course Overview

Description
A course on principles of energy conversion in electromechanical devices and machines. Topics include analysis of transformers, polyphase synchronous and induction machines, DC machines, variable reluctance and stepper motors, and semiconductor converters. 3 Lecture hours and 2 Lab hours. Prerequisite: EE 356, MA 224 or concurrent enrollment. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

EE388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EE411 - Infrastructure Control Systems

Course Overview

Description
This course deals with organization, operation and design of systems where the microprocessor controls special interfaces to non-standard devices and responds to external events in a timely fashion. Topics include interface of special purpose peripherals, data structures, control structures, program and data organization and real time operating systems. Application to communications, automated measurement, process and servo control are discussed. 3 Lecture hours and 2 Lab hours.

Semester Credits

Maximum Variable Credits:

0

4

EE459 - Electric Power Systems

Course Overview

Description

An introduction to the fundamentals of electric power systems generation, transmission and distribution, with emphasis on current trends, issues and technologies. Topics include a review of ac power fundamentals, per unit quantities, system component models, short-circuit analysis, load flow, smart grid concepts, communications and control, power systems economics and renewable energy systems. 3 Lecture hours. Offered: Annually

Semester Credits

Maximum Variable Credits:

3

-

EE463 - Communication Systems

Course Overview

Description

Analog transmission of information signals by communication systems is analyzed. The component parts of transmitters and receivers including AM/FM modulators, filters, detectors and decoders are discussed. Mathematical concepts include the Fourier Series, Fourier Transform, dirac delta function and sinc function. Signal classification and digital modulation techniques such as ASK, FSK, PSK, PAM and QAM. 3 Lecture hours and 2 Lab hours. Prerequisites: EE 356, EE 357, EE 359.

Semester Credits

Maximum Variable Credits:

0

4

EE478 - Control Systems

Course Overview

Description

Analysis and design of continuous-time and discrete-time control systems using classical and state-space methods. Laplace transforms, transfer functions and block diagrams. Transient-response analysis, Routh-Hurwitz stability criterion, and steady-state error analysis. Analysis of control systems using the root-locus and frequency-response methods. Computer-aided design and analysis. 3 Lecture hours. Prerequisites: EE 204, MA 224. Offered: Annually

Semester Credits

Maximum Variable Credits:

3

-

EE486 - Digital Signal Processing

Course Overview

Description

An introductory level course that discusses the conversion of analog signals to discrete time signals. Emphasis will be on the processing of discrete signals using both time-domain and frequency-domain analysis. These techniques will be applied to the design of digital filters. Classroom 3 hours. Prerequisite: EE 350.

Semester Credits

Maximum Variable Credits:

3

-

EE487 - Digital Signal Processing Lab

Course Overview

Description
Implementation analysis and design of digital signal processing functions and techniques. Study and practice in the use of software and hardware platforms used for digital signal processing applications. 3 Laboratory hours. Prerequisite: EE 350. (Spring)

Semester Credits

	Maximum Variable Credits:
1	-

EE488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EE491 - Electrical System Design I

Course Overview

Description
Introduction to design problems. Application of concepts of electrical engineering to a capstone design project. The first of a two-semester sequence, this course focuses on the problem statement, specification, preliminary design, design review and approval stages of the design processes, the design process involves exploring alternate solutions and design optimization and simulation. Economic constraints and human factors are considered in the design process. 3 lecture hours. Restriction: Senior standing. Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

EE494 - Electrical System Design II

Course Overview

Description
This course is the second in the two-semester capstone design project sequence. It focuses on the final stages of the design process-finalized design, implementation and testing. A written project report and an oral presentation to students and faculty is required. Nine hours per week of directed readings, research, and experimentation. Prerequisite: EE 491.

Semester Credits

	Maximum Variable Credits:
0	3

EG044 - Conference

Course Overview

Description
A scheduled weekly conference hour with the faculty and senior engineering/construction management students for preparation of the Fundamentals of Engineering (FE) Exam/Construction Management Exam. Graded as Satisfactory/Unsatisfactory. EG 044 is not required if the student has already passed the FE or CME exam. 1 Lecture hour. Prerequisite: Senior standing.

Semester Credits

	Maximum Variable Credits:
0	-

EG109 - Introduction to Engineering I

Course Overview

Description
An introduction to engineering as a profession, this course presents the concepts and methods of engineering design and their application to solving problems from various engineering disciplines. The use of fundamental engineering skills and the associated tools to aid in defining problems and developing solutions is introduced (e.g. graphical communication/sketching, algorithmic problem solving, data analysis and visualization). The non-technical aspects of engineering required for career success-teamwork, written and oral communication, and problem-solving are practiced. 1 Lecture hour and 3 Lab hours. Prerequisite: Math Placement into MA 101 or higher; or Grade of C or higher in MA 005.

Semester Credits

	Maximum Variable Credits:
0	3

EG110 - Introduction to Engineering II

Course Overview

Description
A follow-on to EG 109, this course introduces discipline-specific tools as a context for designing and conducting experiments as well as solving engineering problems related to a specific discipline or a thematic problem area of societal importance. Design projects will include the technical and non-technical aspects of engineering design. This course presumes an understanding of engineering design and problem solving processes. 2 Lecture hours and 3 Lab hours. Prerequisite: EG 109, Grade of C- or higher.

Semester Credits

	Maximum Variable Credits:
0	3

EG121 - Introduction to the Engineering Profession

Course Overview

Description
An introduction to the engineering profession, the concepts and methods of engineering design and the non-technical aspects of engineering. The use of fundamental engineering skills and the associated tools to aid in defining problems and developing solutions is introduced. The skills required for career success, teamwork, written, graphical and oral communication and problem solving are practiced. Prerequisite: Math placement into MA 095 or higher; or grade of C or higher in MA 005. Offered: Fall

Semester Credits

	Maximum Variable Credits:
1	-

EG188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EG201 - Engineering Mechanics-Statics

Course Overview

Description
A course in statics of elementary engineering mechanics. Topics include vector notation; force systems, moments, equilibrium, the free body diagram; friction, simple frames, trusses, beams, centroids and second moments. 3 Lecture hours. Prerequisites: MA 122, PS 211 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
3	-

EG202 - Engineering Mechanics-Dynamics

Course Overview

Description
A course in dynamics of elementary engineering mechanics. Topics include kinematics: rectilinear and curvilinear motion, translation and rotation, relative motion, kinetics: force, mass and acceleration, impulse and momentum work and energy, elementary vector calculus. 3 Lecture hours. Prerequisites: EG 201 and MA 122.

Semester Credits

	Maximum Variable Credits:
3	-

EG203 - Materials Science

Course Overview

Description
An introduction to the science of materials based on the physics and chemistry of their internal structures. The effects of structure on the properties and behavior of metallic, polymeric, ceramic, semiconductor, and composite materials. 3 Lecture hours. Prerequisite: CH 103.

Semester Credits

	Maximum Variable Credits:
3	-

EG206 - Thermodynamics I

Course Overview

Description
A study of the fundamental concepts and laws of thermodynamics and of the properties of pure substances, with applications to engineering processes and operations. 3 Lecture hours. Prerequisite: MA 122, or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
3	-

EG271 - Aviation Operations Fundamentals

Course Overview

Description
An introduction to all aspects of flight operations to expose students to the basics of aviation to develop aviation interest and enhance flight-related skills. A combination of lecture, on-line instruction, and field trips is designed to prepare each student for the FAA Private Pilot Written Exam. Topics will include aerodynamics and aircraft performance, aircraft systems, weather, communications, and navigation.

Semester Credits

	Maximum Variable Credits:
3	-

EG288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EG299 - Engineering Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	6

EG301 - Mechanics of Materials

Course Overview

Description
A course on the concepts of stress and strain; effect of loads; analysis of plane stress and strain; deformations of beams, shafts, and axial members; buckling and combined stresses. 3 Lecture hours. Prerequisite: EG 201.

Semester Credits

	Maximum Variable Credits:
3	-

EG303 - Fluid Mechanics

Course Overview

Description
A study of fluid properties and their significance. Fundamental mechanics of compressible and incompressible fluid motion with application to engineering problems. Topics include resistance of fluids in laminar and turbulent flow; open-channel flow; fluid statics; dimensional analysis and similitude. 3 Lecture hours. Prerequisite: MA 122, PS 211

Semester Credits

	Maximum Variable Credits:
3	-

EG350 - Engineering Economics and Decision Analysis

Course Overview

Description
This course focuses on the application of cost benefit analysis to engineering and other technical projects. Time value of money and accounting perspectives are used to evaluate projects. The concept of risk and its importance to financial decision making is also introduced. Lecture 3 hours. Prerequisite: MA 107 or MA 108 or MA 121 or Math Placement Score MA 121.

Semester Credits

	Maximum Variable Credits:
3	-

EG388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EG400 - Design Thinking and Innovation

Course Overview

Description
This course explores the experience and practice of innovation by examining creativity as the ability to turn ideas into action. It examines the development, management, evolution, and broad context of emerging technologies and associated ventures. Students will complete innovation challenges from start to finish and leave with an understanding of the key tenets of design thinking and a sense for ways they can incorporate them into their work. A hands-on project-based course involves students in the design and development of visual brand languages for emerging technologies, foundation exercises in creativity, and case studies based on pivotal products from the past 50 years. Prerequisite: Sophomore or higher.

Semester Credits

	Maximum Variable Credits:
3	-

EG447 - Special Projects (Technical Elective)

Course Overview

Description
A report on an approved engineering design project or topic area to meet the specific objectives of a student in a particular area of study. Limited to students who have organized plans and/or projects that can be related to their engineering interests. Hours and credits to be arranged. A maximum of 6 credits may be earned. Prerequisite: Permission of Department Chair.

Semester Credits

	Maximum Variable Credits:
1	6

EG450 - Professional Issues

Course Overview

Description
A course to prepare the engineering student for the non-technical aspects of the engineering profession. Topics covered include engineering registration, ethical responsibilities, malpractice and legal responsibilities, and the business aspects of the engineering profession. 2 Lecture hours and 2 Recitation hours. Prerequisites: Junior or higher.

Semester Credits

	Maximum Variable Credits:
3	-

EG470 - Interdisciplinary Engineering Design I

Course Overview

Description
The course applies the knowledge gained in previous courses, to work on a capstone design project including interactions with customers and stakeholders. This course focuses on the problem statement, specification, preliminary design, design review, and approval stages of the design processes; the design process involves exploring alternate solutions and design optimization and simulation. Economic constraints and human factors are also considered in the design process. The course is the first in a two semester sequence. The course requires nine hours of directed reading, research, and experimentation per week. Prerequisite: Grade of D-, or higher in one of: CE 444, CE 419, CE 422, CE 442, EE 366, ME 370. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

EG471 - Interdisciplinary Engineering Design II

Course Overview

Description
This course is the second in the two-semester capstone design project sequence. It focuses on the final stages of the design process: design, implementation, and testing. A written project report and an oral presentation to students and faculty is required. Nine hours per week of directed readings, research, and experimentation. Prerequisite: EG 470 Interdisciplinary Engineering Design I.

Semester Credits

	Maximum Variable Credits:
3	-

EG488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EG499 - Special Topics

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	6

EG501 - Engineering Mathematics

Course Overview

Description
First and second order differential equations, basic matrix algebra with emphasis on solving systems of equations and understanding eigenvalues and eigenvectors, numerical techniques for solving both differential and algebraic equations, and an introduction to partial differential equations. Basic concepts in probability and statistics, random variables, testing hypotheses, confidence intervals, and correlation along with the least square line. In addition to solving problems by hand, students will also be using software tools. Prerequisite: Acceptance into the Master of Civil Engineering program.

Semester Credits

	Maximum Variable Credits:
6	-

EGCM044 - Conference

Course Overview

Description
A scheduled weekly conference hour with the faculty and senior construction management students for preparation of CMIT (Construction Manager-in-Training) exam. EGCM044 is not required if the student has already passed CMIT exam. 1 Lecture hour. Prerequisite: Senior standing.

Semester Credits

	Maximum Variable Credits:
0	-

EGCM188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EGCM210 - Building Information Modeling and Integrated Practices

Course Overview

Description
Use of Building Information Modeling technologies for facility design, visualization, quality estimation, cost estimation, scheduling, coordination, construction, operation, management and maintenance. Current BIM technologies will be covered as well as BIM tools such as Autodesk Revit: Structural, Architectural and MEP. Creation of 4-D animations using Autodesk NavisWorks and 3-D models created in Autodesk Revit: Structural. Examination of the technical logistics required to set up successful projects using BIM technologies. 3 Lecture hours and 3 Lab hours. May not earn credit in both EM 210 and EGCM 210. Prerequisite: EG 110 or CE 105.

Semester Credits

	Maximum Variable Credits:
0	4

EGCM220 - Advanced Project Estimating

Course Overview

Description
The course covers the principles and practices of estimating integrated with supply chain management with particular emphasis on issues related to engineering and construction projects. Students will learn the principles of supply chain management, estimating and purchasing in an environment characterized by inter firm relationships. 3 Lecture hours. May not earn credit in both EM 220 and EM 302. Prerequisites: CE 264, AP325 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
3	-

EGCM288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EGCM299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

EGCM320 - Construction Productivity

Course Overview

Description
This course focuses on the planning and execution of the construction of vertical and horizontal construction projects. The course emphasizes the means and methods associated with heavy civil projects, earthwork and the construction of structural elements. Equipment selection and methods will be a major focus. 3 Lecture hours. May not earn credit in both EM 320 and EGCM 320. Prerequisite: Junior or higher.

Semester Credits

	Maximum Variable Credits:
3	-

EGCM322 - Construction Safety

Course Overview

Description
Administration and application of the OSHA Act in the construction industry; includes standards, hazard identification and the development of a safety plan. Fulfills the requirements of the 30-hour OSHA safety training certifications. 3 Lecture hours. May not earn credit in both EM 322 and EGCM 322. Prerequisite: Junior or higher.

Semester Credits

	Maximum Variable Credits:
3	-

EGCM324 - Special Construction Systems

Course Overview

Description
An introduction to mechanical, electrical, control systems and plumbing and their application in the construction industry. Concepts of plumbing, HVAC, electrical systems are discussed and analyzed for their affects upon the construction of structures. BIM is applied for calculating a structures energy efficiency, design of HVAC, plumging and electrical system and hands-on labs. Plan reading and quantity takes-offs of mechanical, plumbing and electrical systems are conducted. 2 Lecture hours and 2 Lab hours. May not earn credit in both EM 324 and EGCM 324. Prerequisites: CE 264, PS 201 or PS 211. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
0	3

EGCM388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exits.

Semester Credits

	Maximum Variable Credits:
1	6

EGCM399 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

EGCM401 - Pre-Construction Mgt

Course Overview

Description
This course addresses the initial phases of the building creation process. It focuses on addressing the design and construction neds of the owner and the delivery of value to the owner. Business development, estimating, planning and presentation skills are emphasized. A Design-Build model is employed to encompass the full spectrum of architecture, engineering and construction AEC requirements. 2 Lecture hourse and 3 Lab hours. May not earn credit in both EM 401, EGCM 401, EM 220 and EGCM 220. Prerequisites: EM 220, CE 460 or EGCM 220.

Semester Credits

	Maximum Variable Credits:
0	3

EGCM412 - Construction Administration

Course Overview

Description
Students apply and integrate an understanding of contract documents and administration, project administration, risk management and leadership with the learning from previous courses. Focus is on the skills required to successfully execute both in the field, Superintendent and in the office, Project Manager construction administration. This is the final course in a sequence of courses focused on the management of construction projects. 3 Lecture hours. May not earn credit in both EM 412, EGCM 412, EM 401, EGCM 401, EM 461 and EGCM 461. Prerequisite: EGCM 401 (EM 401), CE 460, EGCM 461 (EM 461). Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

EGCM461 - Project Management

Course Overview

Description
The course covers the principles and practices of project management with particular emphasis on issues related to engineering and construction projects. Students will learn the principles of project management within the firm and in an environment characterized by inter firm relationships. 3 Lecture hours. May not earn credit in both EM 461 and MNGT 475. Prerequisite: CE 460

Semester Credits

	Maximum Variable Credits:
3	-

EGCM479 - Senior Design Project I

Course Overview

Description
This course is the first in the two semester construction management capstone design project sequence. Each student will work with a mentor and together will define analyze a project so that an efficient design can be completed. The project scope and design criteria will be developed, the tasks required to complete the project will be identified and scheduled, data collected and preliminary design proposals will be developed. The design process involves exploring alternate solutions and optimization of the design based upon project criteria and constraints such as economic, political and social factors. The course requires 9 hours per week of directed reading, data collection, research, calculation and experimentation. All of this will be presented orally and in written form in a project proposal. May not earn credit in both EM 475 and EM 479. Prerequisite: CE 460. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

EGCM480 - Senior Design Project II

Course Overview

Description
Second semester construction management capstone design project. A capstone and practicum course in construction management engineering that explores the processes of management as applied to actual construction projects. Topics will be reviewed in the seminar and students will work in teams to review how these topics were applied in an actual construction project and to design a construction management plan for a proposed project during laboratory. This course requires up to nine hours per week under guided supervision by a faculty advisor. May not earn credit in both EM 480 and EGCM 480. Prerequisites: Grade of D- or higher in all of: EGCM 220 (EM220), EGCM 461 (EM 461), EGCM 479 (EM 479).

Semester Credits

	Maximum Variable Credits:
0	3

EGCM488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EGCM499 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	3

EN112 - Public Speaking

Course Overview

Description
An introduction to the art of speaking in a variety of public situations. Students will learn fundamentals of effective verbal and non-verbal communication, strategies to manage stage fright, how to persuade audiences using reasoning and evidence, and how to apply these skills to professional contexts. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

EN114 - Advanced Academic English I

Course Overview

Description
Multilingual, exchange, and international students develop their academic English proficiency and fluency through exploring topics connected to intercultural communication, American academic culture, and Norwich University. The course incorporates academic strategies and guest speakers in addition to class discussions, writing workshops, one-on-one conferences, and informal student presentations. Course activities complement a companion class, usually EN 110/111. 3 Lecture hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

EN115 - Advanced Academic English II

Course Overview

Description
Multilingual, exchange, and international students expand their academic English proficiency and fluency by focusing on American popular media, literature, and academic culture. The course incorporates student presentations, one-on-one conferences, class discussions, and Norwich University events to promote academic writing and oral skills, with a dedicated focus on a companion class, usually EN 110/111. 3 Lecture hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

EN188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EN199 - Pilot Course in English at the Lower Level

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	6

EN210 - Modern Short Story

Course Overview

Description
A study of the short story genre through reading, discussion, and written analysis of selected modern stories. The course also addresses the history of the short story and the nature and uses of literary art. A recommended literature course for fulfillment of General Education or Bachelor of Arts degree requirements in literature, Arts and Humanities.

Semester Credits

	Maximum Variable Credits:
3	-

EN220 - Children's Literature

Course Overview

Description
A course familiarizing students with the range and history of children's literature. Students revisit beloved classics as well as significant contemporary works, analyzing literary value. A recommended literature course for fulfillment of General Education or Bachelor of Arts degree requirements in literature, Arts and Humanities.

Semester Credits

	Maximum Variable Credits:
3	-

EN222 - Introduction to World Literatures

Course Overview

Description
A thematic introduction to the field of world literature that includes readings from across the globe, in particular those from outside the European tradition. Students will explore issues such as translation, textual transmission, and literary form across varied cultural and historical contexts. Required texts are in English translation; foreign language training is neither assumed nor required. Course is repeatable up to 9 times. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

EN225 - Survey of British Literature I

Course Overview

Description
An overview of British literature from the Anglo Saxons to the late-eighteenth century in their historical and cultural contexts, with attention to the development of the English language. May include texts in Middle English. Selections may include sermons, chronicles, and letters as well as fiction, poetry, and drama. Provides a foundation for upper-level study in the discipline and is required for English majors. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

EN226 - Survey of British Literature II

Course Overview

Description
An overview of British literature from the Romantics to the present in their historical and cultural contexts. Materials may include essays, poetry, non-fiction, fiction, drama, and archival materials, as well as media. This course cultivates awareness of British literature and culture and engages issues of global significance ranging from the function of art and the role of the artist; the construction of personal and public identities; race; class; gender; sexuality; empire; and the rise of technology. EN 226 engages colonial, post-colonial, and Commonwealth authors who intrinsically disrupt Western/European categories culturally, ethnically, linguistically, and geographically. Provides a foundation for upper-level study in the discipline. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

EN227 - Survey of American Literature I

Course Overview

Description
An overview of pre-colonial, colonial, and post-revolutionary writing in its historical and diverse cultural contexts. The course explicitly includes approaches and voices from both dominant and non-dominant perspectives. Selections may include letters, travel narratives, and political documents as well as fiction, poetry, and drama. Provides a foundation for upper-level study in the discipline. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

EN228 - Survey of American Literature II

Course Overview

Description
An overview of American writing from the Civil War to the present in its historical and diverse cultural contexts. The course explicitly includes approaches and voices from both dominant and non-dominant perspectives. Selections may include non-fiction as well as fiction, poetry, and drama. Provides a foundation for upper-level study. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

EN241 - Introduction to Acting

Course Overview

Description
An introduction to core skills and theories of acting for stage and film. Students will learn to perform monologues, act in duet scenes, and improvise comedic scenes. Students will develop basic skills in scene and character analysis, research, voice, blocking, and related acting techniques.

Semester Credits

	Maximum Variable Credits:
3	-

EN242 - Play Production

Course Overview

Description
A course that provides study and performance of theater and play production techniques as well as rehearsal and presentation of a full-scale dramatic production. Students may choose to audition to act in a play or to work on one of the technical support crews. This course may be repeated up to 3 credits toward degree requirements. Prerequisite: Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
1	3

EN244 - The Literature of Leadership

Course Overview

Description
A survey of major literary texts dealing with the theme of leadership. Differing examples and ideals of leadership are related to the philosophical assumptions and cultural values of the authors and civilizations represented by each work. Both advocacy and critique of these ideals are examined; contrasts among them emphasize the ethical implications of leaders' decisions. Topics include relationships among leadership, religion, and philosophy; leadership and technology; the role of coercion or political/economic power; and the potential conflicts of leadership and individual freedom. A recommended literature course for fulfillment of General Education or Bachelor of Arts degree requirements in literature, Arts and Humanities.

Semester Credits

	Maximum Variable Credits:
3	-

EN245 - Science Fiction Literature

Course Overview

Description
A study of representative readings in science fiction literature centered on novels and short fiction from the late-nineteenth century to the present with a focus on how these works develop major themes associated with the genre. A recommended literature course for fulfillment of General Education or Bachelor of Arts degree requirements in literature, Arts and Humanities. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

EN250 - Crime in Literature

Course Overview

Description
A course in which students read and discuss works of literature that explore the ethical, social and philosophical implications of criminal behavior and society's response to it. 3 Lecture hours. Cannot earn credit in both EN 250 and ENGL 250. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

EN251 - Literature of the Sea

Course Overview

Description
A study of literature about life at sea, especially during times of crisis. The course examines attitudes toward solitude, comradeship and the ocean's beauty and power. Moral and physical qualities needed by a ship's officers and crew are also discussed. Readings are drawn from world literatures, ancient and modern. A recommended literature course for fulfillment of General Education or Bachelor of Arts degree requirements in literature, Arts and Humanities.

Semester Credits

	Maximum Variable Credits:
3	-

EN253 - Approaches to Shakespeare

Course Overview

Description
A study of Shakespeare themed around discipline, genre, analytical approach, or other topic. A recommended literature course for fulfillment of General Education or Bachelor of Arts degree requirements in literature or Arts and Humanities.

Semester Credits

	Maximum Variable Credits:
3	-

EN270 - Military Literature

Course Overview

Description
A study of men and women in war and the military service, their ideals, experiences, and strategies as seen in foreign and American military literature of the 19th and 20th centuries. Cannot earn credit in both EN 270 and ENGL 270. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

EN282 - Literary Methods

Course Overview

Description
Literary Methods serves as an introduction to scholarship in the discipline of English. To begin, students will examine the evolution and current state of English literary study as a discipline, learn how a literary text becomes an object of study, and identify a secondary text and the kinds of methodologies at work in them. Students themselves will then engage in the practice of literary research and analytical writing by focusing on one text in English and its respective body of criticism. Course work will comprise gathering and analyzing primary and secondary sources, enhancing close reading skills, and performing a substantive piece of research. Auxiliary critical writing exercises might include an annotated bibliography or a literature review. Required for the English major and minor. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

EN288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EN299 - Pilot Course in English at the Lower Level

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

EN308 - The Motion Picture Director

Course Overview

Description
A study, through readings and viewings of representative films, of the work of three great motion picture directors: The emphasis will be on their contributions to the art of the motion picture and their statements as artists viewing their own times. Fulfills General Education Humanities requirement but will not serve as literature elective. Prerequisite: EN 102 or EN 111.

Semester Credits

	Maximum Variable Credits:
3	-

EN310 - The Art of the Motion Picture

Course Overview

Description
A study of cinema art direction, photography, editing, writing and acting. Classes involve lecture, discussion, readings in film criticism and the viewing of selected films. Fulfills General Education Humanities requirement but will not serve as literature elective. Prerequisite: EN 102 or EN 111.

Semester Credits

	Maximum Variable Credits:
3	-

EN322 - Topics in World Literatures

Course Overview

Description
A seminar that focuses on a specific period, genre, region, or topic of interest in the field of World Literatures. Sample topics may include Global Shakespeare, Developing World Literatures, The Trojan War, Caribbean Women Writers, or Global Modernisms. Required texts will be in English translation; foreign language training is neither assumed nor required. 3 lecture hours. This course is repeatable 8 times when a different topic/title. Prerequisite: EN 102 or EN 111.

Semester Credits

	Maximum Variable Credits:
3	-

EN350 - History of the English Language

Course Overview

Description
This course will trace the linguistic, material, and cultural development of the English language from its North Germanic beginnings to its current status as a global lingua franca, with special attention to the early British forms. We will attend to the structure of language (e.g., lexicon, syntax, phonetics) as well as to its socio-political aspects (e.g., migration, class, codification). Students will be asked to read, analyze, and contextualize texts in Old, Middle, and Early Modern English. Required for the English Major. Fulfills Gen. Ed. Humanities requirement but will not serve as literature elective. Prerequisite: EN 102 or EN 111.

Semester Credits

	Maximum Variable Credits:
3	-

EN370 - Topics in British Literature

Course Overview

Description
A seminar that focuses on a period or a topic of interest in the field of British Literature. This course is repeatable 8 times when a different topic/title. 3 Lecture hours. Prerequisite: EN 102 or EN 111.

Semester Credits

	Maximum Variable Credits:
3	-

EN373 - Major Author

Course Overview

Description
A course that focuses on the work of a single author to allow a unique depth of study and research. Students will analyze the relationship between authorship, biography, and textual production. Topics may include Geoffrey Chaucer, John Milton, Thomas Mallory, Salman Rushdie, Muriel Spark, and Mark Twain. This course is repeatable 8 times when a different topic/title. 3 Lecture hours. Prerequisite: EN 102 or EN 111.

Semester Credits

	Maximum Variable Credits:
3	-

EN388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

EN390 - Topics in American Literature

Course Overview

Description
A seminar that focuses on a period or a topic of interest in the field of American Literature. This course is repeatable 8 times when a different topic/title. 3 Lecture hours. Prerequisite: EN 102 or EN 111.

Semester Credits

	Maximum Variable Credits:
3	-

EN399 - Pilot Course in English at the Upper Level

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

EN425 - Directed Study In Literature

Course Overview

Description
A course in which a student of demonstrated ability works with a faculty mentor in a well-defined area in Literature within the competence of the department faculty. Emphasis will be on student initiative, guided reading, and consultations with the mentor. Prerequisite: EN 102 or EN 111 and Permission of Instructor. Course is repeatable 1 time.

Semester Credits

	Maximum Variable Credits:
3	-

EN488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ES115 - Geographic Information Systems

Course Overview

Description
Introduction through geographic information systems (GIS) to spatial analysis, addressing a range of applications across disciplines. Students use GIS to analyze spatial data and problem solve real-world issues. During the final four weeks students design, implement, and present a GIS project. 3 Lecture hours. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
3	-

ES120 - Topics in Applied Environmental Science

Course Overview

Description
The central focus of Environmental Science is to understand and monitor interactions between human- and natural-systems. Topics in Applied Environmental Science focuses on these interactions and how they are studied and used to address current environmental challenges. The scientific principles and processes behind environmental issues will be explored to better understand both the causes and solutions to environmental challenges. Topics vary by course but strive for relevancy and connections with society and will include experiential learning such as experiments, case studies, environmental assessment, or a service project. Course may be repeated with a different title/topic up to 4 times; this includes any topic offered as a 199 course with the same title. Offered: Fall of even years.

Semester Credits

	Maximum Variable Credits:
3	-

ES130 - Introduction to Environmental Law

Course Overview

Description
Major Federal pollution regulation schemes, environmental economics, risk analysis, relevant common law, and constitutional and procedural issues are introduced. Vermont Environmental Law is addressed, as is a survey of the extensive and often novel regulatory approaches of the state of Vermont. The course introduces environmental law issues such as population, economic growth, energy, and pollution. Environmental problems are defined and alternative approaches for dealing with them are examined. Existing statutory efforts such as the National Environmental Policy Act, the Clean Air Act, and the Resource Conservation and Recovery Act are analyzed. 3 Lecture hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

ES188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ES199 - Environmental Science Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	6

ES200 - Energy and The Environment

Course Overview

Description
Energy and the Environment provides a comprehensive background on energy and the environmental impacts of energy extraction and use for both fossil and non-fossil fuels. Topics include energy units and types, air pollution, the carbon-climate connection, and the pros and cons of alternative energy sources. Classroom activities and labs/field work focus on the quantification of energy use, and the analysis of environmental data. 3 lecture hours, 3 laboratory hours. Prerequisites: GL110 or GL111 or GL156 or PS201 or PS211. Offered: Spring odd years.

Semester Credits

	Maximum Variable Credits:
0	4

ES251 - Sophomore Seminar in Environmental Science

Course Overview

Description
Introduces the fundamentals of scientific investigation and communication. An experimental project introduces the Scientific Method, while scientific literature is introduced and coupled with instruction in and application of technical writing. Students learn to communicate scientific information in poster and oral presentations and they initiate development of their professional portfolio. 1 Lecture hour. Requisite: A student with credit in GL 251 must get permission to enroll, eg. mutually exclusive. Offered: Fall

Semester Credits

1

Maximum Variable Credits:
-

ES260 - Project in Environmental Science

Course Overview

Description
Students conduct an independent study on an environmental science field or laboratory project. Topic chosen by mutual consent of the student and instructor. A written report is required. May be repeated one time for credit under a new topic. Prerequisites: GL 110, GL 111, or GL 156, Permission of Department Chair. Offered: Occasionally

Semester Credits

1

Maximum Variable Credits:
4

ES268 - Freshwater Ecosystems

Course Overview

Description
This course investigates physical, chemical, biological processes of lakes, wetlands and streams through an ecosystem based approach. Focus is on interactions between abiotic and biotic components and the transfer of energy between different trophic levels. Students learn important aquatic plant and animal taxa, nutrient cycles, and the physical and chemical characteristics of aquatic settings. This foundational knowledge is applied to understanding environmental stresses currently impacting freshwater ecosystems, including excess nutrients, climate change and invasive species. Course work includes classroom based lectures and discussions and a field based lab which visits a range of freshwater environments. 3 Lecture hours and 3 Lab hours. Prerequisites: GL 111, GL 110 or BI 102. Offered: Fall, odd years.

Semester Credits

0

Maximum Variable Credits:
4

ES288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ES290 - Internship in Environmental Science

Course Overview

Description
A course for environmental science internships on a topic chosen by mutual consent of the student and instructor. A written report is required. May be repeated one time for credit. Prerequisite: GL 110, GL111, or GL 156, 2.0 Cumulative GPA and Permission of Department Chair. Offered: Occasionally

Semester Credits

1

Maximum Variable Credits:
4

ES299 - Pilot course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

ES315 - Remote Sensing

Course Overview

Description
Remote sensing involves the use of data acquired by remote devices to detect information. Fields using remote sensing include ecology, land and water management, earth science, disaster relief, intelligence and military science. Course topics include data acquisition and image processing, electromagnetic radiation, multi-spectral and lidar sensors, change detection and classification. Classes apply remotely sensed data from across disciplines to address genuine problems. Prerequisites: ES 115. And, one college math course MA 100:499 or completion of MA 095 with C or better or placement into MA 107 or Ma 232. Offered: Fall odd years.

Semester Credits

	Maximum Variable Credits:
3	-

ES340 - Project Development in Environmental Science

Course Overview

Description
Develops the skills for designing and executing an original scientific research project. Topics include research plan development, literature research to inform methodology, generation of site maps and protocols for collecting field and laboratory data, and generation of a properly formatted research proposal. May be repeated two times under a different project. 1 Lecture hour. Requisite: A student with credit in GL 340 must get permission to enroll, eg. mutually exclusive. Prerequisites: Environmental Science major, Junior or higher and Permission of Instructor. Offered: Spring

Semester Credits

	Maximum Variable Credits:
1	-

ES388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ES399 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

ES440 - Research Project in Environmental Science

Course Overview

Description
A capstone original research project under the direction of a faculty member in coordination with others taking this course. Field and laboratory work will generate new data on an expanding base; after analysis and interpretation, data will be presented in a technical format. All aspects of the project will be interpreted in the context of the literature. 3 lab hours; field travel required. Requisite: A student with credit in GL 440 must get permission to enroll, eg. mutually exclusive. Prerequisite: ES 340. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

ES451 - Environmental Science Seminar

Course Overview

Description
A capstone seminar experience integrating reading, writing, and group participation focused on Earth and environmental issues. Discussions explore links between society and global systems. Requisite: A student with credit in GL 451 must get permission to enroll, eg. mutually exclusive. 3 Lecture hours. Prerequisite: Senior standing. Environmental Science major. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

ES460 - Project Completion in Environmental Science

Course Overview

Description
Follows work in ES 440. Students integrate the body of scientific knowledge into a professional and technical report. Students work collaboratively with their research advisor. 1 Lecture hour. Requisite: A student with credit in GL 460 must get permission to enroll, eg. mutually exclusive. Prerequisite: ES 440. Offered: Spring

Semester Credits

	Maximum Variable Credits:
1	-

ES488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FA188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FA201 - History/Theory of Architecture I

Course Overview

Description
This course Explores the architecture of different cultures from around the world beginning with the earliest evidence of human habitation and ending with the arrival of the renaissance. It examines the development of domestic, civic, and religious sites, as well as towns and settlements. The course explores major cultural, social, technological, and ideological influences on built environments, as well as examines the history, the context, and the form of notable examples. Preference given to architecture majors. Note: Students who successfully complete this course may not take earn credit for FA 221. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

FA202 - History/Theory of Architecture II

Course Overview

Description
Explores the architecture of different cultures from around the world focusing on Western architecture from the Renaissance to the 19th century. It examines the development of domestic, civic, and religious sites, as well as towns and settlements. The course explores major cultural, social, and technological influences on built environments, as well as looks at the history, the context, and the form of notable examples, while examining the developing ideologies of prominent practitioners. 3 Lecture hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

FA221 - History of Visual Arts I: Prehistoric to 1350

Course Overview

Description
Provide an understanding of well-made artifacts by addressing quality or artistic value in terms of form and content. Students are acquainted with the principal periods of Western art through a study of, sculpture, painting, and the minor arts, ranging from prehistoric times to the present. Students learn formal vocabulary of prehistoric art to the medieval international style. Credit in FA 201 cannot also be earned in FA 221. 3 Lecture hours. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

FA222 - History of Visual Arts II: 1350 to the Modern Era

Course Overview

Description
Provide an understanding of well-made artifacts by addressing quality or artistic value in terms of form and content. Students are acquainted with the principal periods of Western art through a study of sculpture, painting, and the minor arts, ranging from prehistoric times to the present. Students learn formal vocabulary and renaissance to the present. 3 Lecture hours. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

FA250 - Topics in Art

Course Overview

Description
Topics vary, focusing on past and current issues in art related to historical style, art and the social context, aesthetic theory, tradition and innovation in media, and the role of art and the artist as an agent of communication in our time. 3 Lecture hours. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

FA288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FA308 - History/Theory of Artchitectural III

Course Overview

Description
Surveys 20th-century architecture including the rise, consolidation, development, varieties, critique and later reinterpretation of modernism, exploring postmodern and other possibilities of modernism's eclipse. It integrates the historic aspects of notable examples of architecture and urban design with the theoretical ideas underlying the built form, including a discussion of the new programs, social, economic, political organizations and construction materials and methods that drove the search for new forms to represent the new ideas of the modernity. 3 Lecture hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

FA388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FA401 - Introduction to Research Methods for Architecture

Course Overview

Description
Introduces research methods for interpreting the built environment. Provides a capstone to the architectural history and theory survey sequence by studying recent and contemporary theory and incorporating architectural criticism. Includes case studies, substantial research and writing, and discussion of seminal texts in seminar format. 3 Lecture hours. Prerequisite: FA 308 Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

FA488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FN188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FN200 - Fundamentals of Finance

Course Overview

Description
This course is designed to provide an introductory framework for understanding how financial markets and institutions work, how financiers break down components of a financial problem, how they make decisions as investors and corporations in the financial market. By the end of the course you should be familiar with financial vocabulary, understand aspects of financial theory, develop skills in financial computation and appreciate the underlying financial mindset as well as incentives involved when solving problems of finance. 3 Lecture hours. Prerequisite: AC205, MA 232 or QM 213. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

FN288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FN311 - Corporate Finance

Course Overview

Description
Development of the basic theoretical framework for decision-making in financial management, emphasizing the time-value of money and the analysis of cash flows. Areas of concentration are financial institutions and markets, financial statement analysis, the role of time value in finance, bond and stock valuation, capital budgeting decision process, risk and return analysis, cost of capital and dividend policy. Credit in FN 311 cannot also earn credit in FNCE 350. Prerequisites: FN200. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

FN388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FN407 - Corporate Finance II

Course Overview

Description
Special topics in financial management including: international managerial finance, mergers and acquisitions, hybrid and derivative securities, working capital management, short-term and long-term financing, financial planning, leverage analysis and capital structure theory. Prerequisites: QM 213 or MA 232; FN 311.

Semester Credits

	Maximum Variable Credits:
3	-

FN412 - Investments

Course Overview

Description
Methods of security analysis and portfolio management, including the current theoretical literature and thought. Discussion and analysis of current events and their implications for stock price behavior. Prerequisites: FN 311; QM 213 or MA 232.

Semester Credits

3

Maximum Variable Credits:
-

FN488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

FNCE188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

FNCE288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

FNCE350 - Fundamentals of Finance I

Course Overview

Description
This course introduces students to various techniques of investing and the theories, methods and procedures used to understand current complex investment/finance environments. Students explore the major financial markets, the concept of risk in financial markets, government agency regulations including those from the Federal Reserve Bank and Securities Exchange Commission and portfolio management theories. Basic usage of Microsoft Word and Excel is required for this course.

Semester Credits

3

Maximum Variable Credits:
-

FNCE351 - Fundamentals in Finance II

Course Overview

Description
This course explores corporate finance; how capital can be raised and allocated within corporations to the advantage of corporate shareholders. Topics covered include: procedures for analyzing companies' financial data to determine how efficiently they have been run; methods for projecting funding needs based on principles of good working capital management; rules for choosing the maximal, safe, or optimal level of debt in the structure of capital used for funding company operations; and figuring the costs of the various types of funds that a company uses and its weighted average cost of capital. Prerequisite: FNCE 350 or FN 311.

Semester Credits

	Maximum Variable Credits:
3	-

FNCE388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FNCE407 - Corporate Finance II

Course Overview

Description
FNCE 407 is an advanced corporate finance course that focuses on the decisions that corporate finance managers must make in order to operate and grow the company while reducing financial and operating risk. Based on the concept of Capital Budgeting, this course explores the use of capital by corporations, and the cost of using external vs internal funds, for corporate operations and growth. Potential sources of capital are reviewed and strategies that a corporation can take to attract capital at the lowest cost. Short and long term financial planning will be explored as well as the various funding sources for short term working capital and long term grow/investment capital. The importance of international and corporate financing options will be explored. 3 Lecture hours. Prerequisites: FNCE 350, FNCE 351, Grade of C or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

FNCE411 - Risk Management

Course Overview

Description
An analysis of the financial decision-making process of the global corporation will be explored. The financial opportunities and risks associated with international operations are discussed and analyzed. Major topics include risk management, capital budgeting and cost of capital considerations, as well as multinational performance and evaluation criteria. The case study/project method is utilized. 3 Lecture hours. Prerequisites: FNCE 350, FNCE 351, Grade of C or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

FNCE488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FNCE588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FR121 - Beginning French I

Course Overview

Description
Students progress along the first steps towards acquiring basic languages skills: speaking, listening, reading, and writing, with a focus on their use for several modes of communication, such as the interpersonal, the interpretive, and the informative, within the context of the cultures of the French-speaking world. For students with little or no previous exposure to French. 4 Lecture hours. Prerequisite: None.

Semester Credits

	Maximum Variable Credits:
4	-

FR122 - Beginning French II

Course Overview

Description
Students continue progress toward novice-high skill levels in speaking, listening, reading, and writing - and their use in several modes of communication: the interpersonal, the interpretive, and the informative - all within the context of the cultures of the French-speaking world. 4 Lecture hours. Prerequisite: FR 121 or Modern Language Placement Score FR 250 or higher.

Semester Credits

	Maximum Variable Credits:
4	-

FR150 - Topics Course

Course Overview

Description
Specialized topics relating to French and Francophone culture, business practices, or language. Topic will be indicated in the schedule of classes. This is an introductory-level course. Taught in French. Prerequisite: Instructor permission.

Semester Credits

	Maximum Variable Credits:
1	3

FR188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FR205 - Intermediate French I

Course Overview

Description
A course providing aural-oral practice in French, in which students enter into full discussion of topics that include abstract themes and cultural perspectives; includes the expanded use of syntactical structures, the reading of sophisticated material, composition, the viewing of selected French and Francophone films and documentary materials from French-language television. Taught entirely in French. 3 Lecture hours and 1 Lab hour. Prerequisite: FR 122 or Modern Language Placement Score FR 287 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

FR206 - Intermediate French II

Course Overview

Description
A course providing aural-oral practice in French, in which students enter into full discussion of topics that include abstract themes and cultural perspectives; includes the expanded use of syntactical structures, the reading of sophisticated material, composition, the viewing of selected French films and documentary materials from French television. Taught entirely in French. 3 Lecture hours and 1 Lab hour. Prerequisite: FR 205 or Modern Language Placement Score FR 385 or higher

Semester Credits

	Maximum Variable Credits:
3	-

FR250 - Topics Course

Course Overview

Description
Specialized topics relating to French and Francophone culture, literature, business practices, or language. Topic will be indicated in the schedule of classes. Taught in French. Counts as Arts & Humanities elective. Course may be repeated for credit if the topic differs. Prerequisite: FR 206 or Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

FR288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

FR299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	4

FR311 - Advanced French I

Course Overview

Description
A continuation of grammar review at the advanced level; further development of oral expression through discussion and formal presentations. An introduction to the analysis of Francophone literature and film; an overview of major events, including cultural and scientific developments affecting French thought. Students will prepare written work in a workshop atmosphere in which rewriting and collaboration are encouraged in order to teach self-correction. Readings, lectures, discussions, student presentations, written work entirely in French. 3 Lecture and 1 Lab hour. Prerequisites: FR 206 or Modern Language Placement Score FR 385 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

FR312 - Advanced French II

Course Overview

Description
A continuation of grammar review at the advanced level; further development of oral expression through discussion and formal presentations. An introduction to the analysis of Francophone literature and film; an overview of major events, including cultural and scientific developments affecting French thought. Students will prepare written work in a workshop atmosphere in which rewriting and collaboration are encouraged in order to teach self-correction. Readings, lectures, discussions, student presentations, written work entirely in French. 3 Lecture hours and 1 Lab hour. Prerequisites: FR 206 or Modern Language Placement Score FR 385 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

FR350 - Topics Course

Course Overview

Description
Specialized topics relating to French and Francophone culture, literature, business practices, or language. Topic will be indicated in the schedule of classes. Taught in French. Topics in Literature count as Literature elective; others Arts & Humanities elective. This course is repeatable 8 times when a different topic/title. Prerequisite: FR 206, FR 300 level, or Modern Language Placement Score FR 385 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

FR350EN - Topics Course in English

Course Overview

Description
Specialized topics relating to French and Francophone culture, literature, business practices, or language. Topic will be indicated in the schedule of classes. Taught in English. Topics in Literature count as a General Education Literature elective and others as a General Education Arts & Humanities elective. This course does not meet the Modern Language requirement. Prerequisite: EN 102 or EN111.

Semester Credits

3

Maximum Variable Credits:
-

FR388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

FR488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

FS101 - Foreign Study Billing Course

Course Overview

Description
None

Semester Credits

0

Maximum Variable Credits:
12

FS500 - Foreign Study Billing Course

Course Overview

Description
Holding Section

Semester Credits

0

Maximum Variable Credits:
12

GA541 - Africa

Course Overview

Description
The course explores history, political, social, economic and security developments in Africa. It addresses Africa's experience with democracy and dictatorship, nation-building as well as regional dynamics, conflicts, security arrangements and cooperation among African nations and changes and initiatives in regional integration. Regional events are discussed in their historical contexts and such themes as decolonization and economic development, sovereignty and nationhood, self-determination and interstate war, economic aid and poverty, authoritarianism and democratization, corruption and organized crime, racism and civil conflicts, insurgencies and reconcilation are addressed. Offered: Fall, Winter, Spring, Summer.

Semester Credits

6

Maximum Variable Credits:
-

GA542 - Asia-Pacific

Course Overview

Description
This course lays a foundation for understanding the Asia-Pacific Region and explores the trend in regionalism within the Asia-Pacific. It addresses seminal changes and develoments in the Asia-Pacific prior to, during and after the Cold War. This course analyzes current regional conflicts and their influence on regional development. This course also reviews the cultural, political and philosophical foundations of the main actors, both nation-states and intergovernmental organizations and surveys current events impacting regional relationships today. Offered: Fall, Winter, Spring, Summer.

Semester Credits

6

Maximum Variable Credits:
-

GA543 - Latin America

Course Overview

Description
The course explores history and political, social, economic security developments in Latin America. It addresses Latin America's experience with democracy and dictatorship, relations with the United States and world's leading military and economic powers, nation building in Latin America as well as regional dynamics south and central America and in the Caribbean, conflict, security arrangements and cooperation among Latin American countries and changes and initiatives in regional integration. Regional events are discussed in their historical contexts and such themes as group identity and environmentalism, sovereignty and nationhood, self-determination and territorial conquest, economic development and poverty, authoritarianism and democratization, corruption and organized crime, revolution and counter-revolution, civil conflicts, insurgencies and reconciliation are addressed. Offered: Fall, Winter, Spring, Summer.

Semester Credits

6

Maximum Variable Credits:
-

GA544 - Eurasia

Course Overview

Description
The course explores political, social, economic, security and international dynamics of the largest landmass of the world, Eurasia. It addresses military conflicts involving the Russian Federation, relations of Russia with its neighbors, nation-building and regional transformations in Central Asia, conflict, security and cooperation in the Caucasus and changes and initiatives in the Far East. Regional events are discussed in their historical contexts, such themes as group identity, nationhodd, self-determination and sovereignty and territorial integrity are investigated.

Semester Credits

	Maximum Variable Credits:
6	-

GA545 - Europe

Course Overview

Description
This course surveys the organization of political power, political culture and the dynamics of political change in Europe. It gives students a comparative perspective on key European countries and provides them with the theoretical and methodological tools to understand domestic politics of European states and intra-European affairs as part of a European system of governance. In particular, it focuses on important institutions within European states that form the link between the state and society, specifically political parties and interest groups. The course also addresses the phenomenon of the European Union and its role in contemporary Europe. The seminar promotes and understanding of Europe within global politics. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

GA546 - The Middle East

Course Overview

Description
This course lays a foundation for understanding Middle Eastern politics, economics, culture, among others and introduces the historical, political and economic developments in the region; Explores the trend in religious extremism and nationalism within the Middle East. Addresses seminal changes and developments in the Middle East in modern and late modern times. Analyzes current regional conflicts and their influence on regional socio-economic and political development. Reviews the cultural, political and economic foundations of the main actors such as nation-states, intergovernmental organizations and non-governmental actors. Surveys current events impacting regional relationships today.

Semester Credits

	Maximum Variable Credits:
6	-

GA547 - North America

Course Overview

Description
Will examine the relations among the states of North America with a particular focus on Unites States relations with Mexico and Canada, but will touch upon issues related to matters concerning the near island states of the Caribbean. When Americans think about the foreign policy of the United States and regions of the world they do not usually think about North America and especially U.S. relations with Canada and Mexico in spite of the fact or perhaps because of it, that these are the only two states in the world which share international land borders with the U.S. In contrast because of this proximity for the Mexican and Canadian governments and their citizens, relations with the U.S dominate foreign policy considerations. This asymmetry in focus and importance, the scope and depth of U.S. linkages with its two neighboring states exceed that of American relations with any two other states in the international system. The impact of United States policies toward Canada and Mexico and the effect of the policies of these two state on the U.S. reach deeply into the domestic fabric of three major North American states, including the United States. Security, the environment, energy and economic well-being, how the United States handles its foreign relations in North America, figures prominently in the daily lives of millions of individual Americans in ways that exceed that of any other U.S. bilateral or multilateral interactions. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

GA548 - South Asia

Course Overview

Description
The course explores modern history, political, social, economic security developments in South Asia. It addresses South Asian states experience with democracy and dictatorship, nation-building as well as regional dynamics, conflict, security arrangements and cooperation among South Asian nations. Regional events are discussed in their historical contexts and such themes as civil war and economic development, sovereignty and nationhood, self-determination and interstate war, economic aid and poverty, authoritarianism and democratization, corruption and nuclear power, resource conflict and civil conflicts, border and water distribution disputes, insurgencies and reconciliation are addressed. The course discusses political systems and cultures of all regional countries: India, Pakistan, Sri Lanka, Bangladesh, Nepal, Bhutan, Madives and Afghanistan; it also reviews connections and influences that Tibet and Myanmar share with South Asia. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

GA554 - Russian Foreign Policy

Course Overview

Description
This course examines Russia's relations with the world. The main emphasis is on Russian foreign policy since the dissolution of the Soviet Union. The course addresses historic, geographic and ideational contexts of Russian foreign policy as well as its domestic factors and its cultural and institutional influences. It pays attention to the general instruments and specifc tools of Russia's foreign and security policy as well as to its important trends and directions.

Semester Credits

	Maximum Variable Credits:
6	-

GA556 - Great Power Rivalry in the Middle East

Course Overview

Description
The middle East with its rich natural resources, strategic location at the intersection of continents, key international sea lanes and choke points, from the Gibraltar Straits to the Suez Canal and Bab al-Mandab and to the Strait of Hormuz has been a constant object of great power rivalry for centuries. The Middle East has historically generated many conflicts internally, but some of these conflicts have become extremely complicated because of great power involvement. Great power competition has altered the prospects of managing conflicts in the region and while competition among major powers has not lead to direct confrontation yet, powerful actors continue to establish, extend and reinforce influence and prestige at each other's expense. This course addresses the current conflicts in the Middle East by situating them in their respective historical contexts.

Semester Credits

	Maximum Variable Credits:
6	-

GA588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GB188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GB288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GB388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GB488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GB501 - Fundamentals of Business Management

Course Overview

Description
Learn economics, management, and marketing and operations management from the perspective of a business manager. Students focus on the economic framework for business decision-making, learning the importance of and gaining an ability to assess market conditions as the context for all business strategy development and implementation, how Management can plan for and execute advantageous a strategy to achieve organizational objectives through efficient and effective allocation of its human, capital and intellectual resources. Students learn theory and skills for best practices in the marketing and operations management of products and services.

Semester Credits

6

Maximum Variable Credits:
-

GB502 - Quantitative Methods and Financial Analysis for Managers

Course Overview

Description
This seminar concentrates on the learning and demonstration of competency in the accounting process, understanding the accounting equation, the basics of double-entry bookkeeping the income statement, the balance sheet and the statement of cash flow statement. Learning how these statements effect the calculation of financial ratios as tests of enterprise profitability, asset utilization, risk and liquidity is required.

Semester Credits

6

Maximum Variable Credits:
-

GB511 - Organizational Behavior and Resources Management

Course Overview

Description
Course examines the management of organizational, human and information resources. There are two main areas of focus: the behavior and performance of people at work and the management of selected key non-personnel resources that impact organizational success. Specific topics discussed include leadership, communication, decision-making, motivation, knowledge management, strategic thinking, teaming, conflict management and negotiation, information resources, organizational structures, artificial intelligence and workforce technologies and utilization. Offered: Occasionally.

Semester Credits

6

Maximum Variable Credits:
-

GB522 - Managerial Finance

Course Overview

Description
This seminar introduces the problems of finance function and the responsibilities of the chief financial executive. Efficient allocation and uses of funds is emphasized. Topics include Financial Analysis, Cash Flow and Financial Planning, Capital Budgeting, Valuation Models, Risk and Return Analysis, Leverage and Capital Structure, Working Capital Management, and International Business Finance.

Semester Credits

6

Maximum Variable Credits:
-

GB532 - Strategic Marketing & Operations Management

Course Overview

Description
This course examines strategic thinking and decision-making in marketing and operations management, including their synergistic relationship and connection in organizational settings. An inclusive framework for operations management application provides a focus on both product and service-driven businesses. Marketing approaches are assessed to leverage competitive advantage in serving diverse customer groups and markets. The interrelationship between marketing and operations management functions, processes and decisions is examined as this affects organizational efficiency, effectiveness and success.

Semester Credits

Maximum Variable Credits:

6

-

GB543 - Risk Management Principles: A Strategic Approach

Course Overview

Description

This 11-week graduate seminar comprehensively explores risk management principles, equipping students with the theoretical frameworks, practical tools, and analytical skills needed to identify, assess, and mitigate risks in dynamic organizational environments. Focusing on a wide range of risk categories—financial, operational, strategic, technological, and reputational, the course delves into methodologies for managing uncertainty while aligning risk strategies with organizational goals. Offered: Fall, Winter, Spring, Summer.

Semester Credits

Maximum Variable Credits:

6

-

GB544 - Project Management Techniques, Tools and Practices

Course Overview

Description

This seminar focuses on the fundamentals of project management and practices. The key elements of project management from the project management framework, the project life cycle, project process and key project management knowledge areas are discussed. Additionally, the project integration, scope, time, cost, quality, resource and schedule management are studied. Other areas of focus are project management procurement and overall project communications.

Semester Credits

Maximum Variable Credits:

6

-

GB545 - Multinational Business Finance

Course Overview

Description

This seminar focuses on advanced topics in Corporate Finance and on Multinational Business Finance. Multinational Enterprises (MNEs) are unique institutions that act as catalysts and facilitators of international trade and as important producers and marketers in host countries where their subsidiaries are located. Identifies and describes the differences between multinational business finance and domestic finance. Topics presented are Global Financial Environment, Foreign Exchange Theory, The Foreign Exchange Market and Derivatives, Foreign Exchange Exposure, Financing The Global Firm, Foreign Investment Decisions, and Managing Multinational Operations. Prerequisite: GB 522, or Permission of the Program Director.

Semester Credits

Maximum Variable Credits:

6

-

GB547 - Supply Chain Management Strategy Planning and Operations

Course Overview

Description

The focus of this seminar is the building of business supply chain strategies, which include: supply chain performance, fit and scope, supply chain drivers and metrics, processes, the management of suppliers, inventory strategies, parts management, and distribution. Examines demand forecasting, aggregate planning, sales and operations planning, uncertainty, and archetype strategies with a focus on flexibility, speed, and technology. Offered: Fall, Winter, Spring, Summer.

Semester Credits

6

Maximum Variable Credits:
-

GB548 - Energy Resources and Markets

Course Overview

Description
This seminar covers the traditional sources of energy supply and the existing markets as a preamble to exploring alternative forms of renewable and sustainable energy. Students will be challenged to understand the coexistence of traditional and renewable energy sources as the U.S. and the world work toward a sustainable future. Towards that end, the U.S., EU, Asian, and Latin American energy, environmental, and climate change policies must be understood as the world develops future policy and climate agreements.

Semester Credits

6

Maximum Variable Credits:
-

GB549 - Technology Management Strategy

Course Overview

Description
Students explore key technology management concepts related to strategy, planning, processes, the application technologies in key business operational areas from engineering, production, assembly, warehousing, distribution, transportation, procurement, contracts, networking, inventory and overall business operations.

Semester Credits

6

Maximum Variable Credits:
-

GB552 - International Business Management

Course Overview

Description
This seminar addresses the strategic management of international organizations. Providing a theoretical framework to compare, contrast, and evaluate the differences between domestic-only and internationally active organizations. Learners examine and apply concepts pertaining to the globalization of business, the internationalization of a specific organization, and the factors that influence these two outcomes. Learners learn how to make decisions rooted in the increasingly international context of today's business world.

Semester Credits

6

Maximum Variable Credits:
-

GB554 - Project Management Leadership, Communications and Teams

Course Overview

Description
This seminar focuses on project management leadership, effective communications and the management of project teams. Students explore the fundamental principles of good project management, including: leadership skills, winning stakeholder cooperation, writing the rules to manage expectations, project risk management, creating realistic schedules, achieving accurate project estimates, trade-offs between project cost, schedule and quality, building strong project teams, clear communications, measuring progress, problem solving, defining clear requirements and applying lean principles in project management. This seminar discuss project leadership, communication and team management skills integrating them with concepts from Seminar 4's, resulting in fundamental principles of project management being integrated with leadership, communications and team building practices and challenges.

Semester Credits

Maximum Variable Credits:

6

-

GB555 - Investments and Portfolio Management

Course Overview

Description

Students learn the characteristics and analysis of individual securities as well as the theory and practice of optimally combining securities into portfolios. This seminar is organized around two basic themes: the security market, a highly efficient market, and an investor who diversifies and takes a long-term approach to investing, generally rewarded with higher returns and less risk.

Semester Credits

Maximum Variable Credits:

6

-

GB557 - Supply Chain Management Logistics, Design and Execution

Course Overview

Description

Supply chain movement, warehouse design, capacity management, delivering customer value, measuring logistics cost and performance, matching up supply with demand, creation of a responsive supply chain and the management of complexity and risk.

Semester Credits

Maximum Variable Credits:

6

-

GB558 - Managing Energy Savings and Efficiency Projects

Course Overview

Description

Managing an organization's project to save and use energy in the most efficient way, including introductions to sustainability, energy intensity, energy efficiency and savings are topics of this seminar. These aspects are reviewed for electricity and heat generators energy systems. Students develop an efficiency solution project for a company, including financial aspects, auditing and energy strategies. Prerequisite: GB 548.

Semester Credits

Maximum Variable Credits:

6

-

GB560 - Strategic Management

Course Overview

Description

Strategic management of entire organizations, which implies total responsibility for integrating and coordinating all activities and the accomplishment of long-term goals that determine organizational survival are discussed. Analytical models are used to dissect actual case scenarios, identify business problems, and develop strategic recommendations. Students debate topical and controversial current issues in corporate management and have the opportunity to interact with industry leaders. A project that integrates results of prior seminars into a cohesive strategic analysis of an international company is required along with a comprehensive outcomes assessment.

Semester Credits

Maximum Variable Credits:

6

-

GB561 - Assessment Exam

Course Overview

Description
The assessment exam is a requirement of the MBA program and is part of the graduation requirement. The exam covers business concepts discussed throughout the MBA program and is administered during the student's final term. Exam dates and instructions will be provided by Norwich staff well ahead of time. The exam is not graded, and it does not affect the student's GPA for the program.

Semester Credits

	Maximum Variable Credits:
0	-

GB564 - Strategic Management in Project Management

Course Overview

Description
Applications from the GB 544 and GB 554 are applied in this seminar using the fundamental principles of project management from the project management framework, the project life cycle, project integration, scope, time, cost, quality, and schedule management. Students include the integration of leadership skills, winning stakeholder cooperation, project risk management, building strong project teams, clear communications, measuring progress and problem solving in a proposed project. Prerequisites: GB 544, GB 554, or Permission of the Program Director.

Semester Credits

	Maximum Variable Credits:
6	-

GB565 - Strategic Management in Finance

Course Overview

Description
This seminar illustrates the application of tools and concepts of modern finance. This seminar is the culmination of the study of finance for the MBA program. The seminar relies on the techniques and theories of Corporate Finance, Multinational Business Finance, and Investments to expand strategic perspectives and enhance financial analysis skills. Case analysis is used and managing corporate value creation is the focus of all used cases. Prerequisites: GB 522, GB 545, GB 555.

Semester Credits

	Maximum Variable Credits:
6	-

GB567 - Supply Chain Management Assessment, Integration, and Optimization

Course Overview

Description
This seminar focuses on supply chain optimization, which includes topics such as: value assessment of the supply chain, baseline and optimization, capacity management, project management, demand forecasting, quantitative risk assessment, constraint optimization and time estimating techniques. Students learn to integrate important ideas associated with supply chain strategies, logistic operations, and operational optimization with a focus on continuous improvement of supply chain operations. Prerequisites: GB 547, GB 557, or Permission of the Program Director.

Semester Credits

	Maximum Variable Credits:
6	-

GB568 - Managing Corporate Energy Needs

Course Overview

Description
Energy procurement optimization with security of supply, quality and low cost, including how to value available and feasible energy sources of supply, manage energy procurement processes, contracts management, sector supply strategies, demand forecasting, quantitative risk assessment, the company flow of information and cooperative procurement techniques. A detailed behavior of each relevant energy market (oil, gas & electricity) from the demand point of view is discussed. Components of the energy markets and the available energy origins are reviewed, as well as internal analysis of the organization needs and processes, to optimize all aspects of energy procurement within a company. Students will acquire analytical and managerial capacity and skills to resolve the energy procurement of the organization. Prerequisites: GB 548, GB 558.

Semester Credits

6

Maximum Variable Credits:
-

GB588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GD188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GD288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GD388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

GD488 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

GD510 - Theory and the International System

Course Overview

Description

In this seminar students will review the basic theories that govern the international relations discipline. As no one theory fully explains the international system, a firm grasp of the leading paradigms gives a student a solid foundation on which to build the degree. This seminar will also trace the historical evolution of diplomacy within the international system giving the student a sense of its progression and an awareness of the milestones of diplomatic interaction within that system.

Semester Credits

Maximum Variable Credits:

6

-

GD511 - The History of Diplomacy in the International System

Course Overview

Description

This seminar is a comprehensive overview of diplomacy, international relations, and world order in the context of the modern state system, from 1648 to the present. The seminar provides an introduction to the international political environment through studies in foreign policy decision-making. The seminar combines the fields of history and political science by using an analytical framework of historiography and International Relations methodology.

Semester Credits

Maximum Variable Credits:

6

-

GD520 - Law and the International System

Course Overview

Description

In this seminar students will explore some of the important principles, norms, customs, laws, and transactions in international relations. Student will be introduced to international law terminology, history, and dominant theories. The laws surrounding conflict, war and war crimes will be explored. Of special interest will be the laws and norms pertaining to international organizations. Finally, the more up and coming areas of international law will be explored, such as, environmental law and the growing body of law concerning humanitarian intervention.

Semester Credits

Maximum Variable Credits:

6

-

GD530 - Economics and the International System

Course Overview

Description
In this seminar students will explore the international economic system. The impact of modernization and economic development within the system will be examined. The controversy over the concept of globalization will be explored. The seminar will address the dominant theories of international political economy. Students will become familiar with institutions of international finance and trade. Special attention will be given to Third World development issues. Also, the idea of economics as a tool of diplomacy and military power will be raised.

Semester Credits

	Maximum Variable Credits:
6	-

GD540 - Conflict Avoidance, Prevention & Containment in the International System

Course Overview

Description
In this seminar students will address a number of schools of thought and debates concerning the causes of inter and intra-state conflicts. The increasingly controversial topics of peacekeeping, peace-making and peace enforcement will be reviewed with an eye toward lessons learned. Transnational forces, including non-governmental organizations will be investigated. Finally, the important concept of multilateral diplomacy as a tool used to avoid conflict in the international system will be examined.

Semester Credits

	Maximum Variable Credits:
6	-

GD541 - The Practice of Diplomacy

Course Overview

Description
Methods, institutions and practices that allow nations to translate foreign policy objectives and strategies into practical actions, and how practitioners adjust and refine foreign policy in response to the events that influence outcomes. The course is based on the diplomacy perspective of a practitioner. The emphasis is on foreign policy practices and structures of the United States of America, but the seminar has broad applicability to the study of the diplomatic practice of other nations that operate in an analogous domestic political environment of separation of powers, relative openness and freedom of expression.

Semester Credits

	Maximum Variable Credits:
6	-

GD542 - Terrorism: Introduction and State Sponsored Terrorism

Course Overview

Description
This seminar examines how states have used terrorism as a tool in managing their international rivalries. The seminar also evaluates the actions that the international community takes to deter state-sponsored terrorism. Case studies will be used to complement theory, and to allow for comparative analysis of actions taken by the international community in different cases and circumstances.

Semester Credits

	Maximum Variable Credits:
6	-

GD544 - Global Commerce and the International System

Course Overview

Description
This seminar evaluates the role of private-sector commerce in the international system. It focuses on examining internal and external environmental conditions when conducting commerce in a global environment; in particular, students will explore the impact of economics, law, politics, and culture on multinational business endeavors. Country specific data and internal organizational factors that influence managerial decision-making in multinational organizations are addressed as well.

Semester Credits

	Maximum Variable Credits:
6	-

GD550 - Conflict Resolution & Post-Conflict Reconstruction in the International System

Course Overview

Description
In this seminar students will examine the dos and don'ts of negotiating peace, hazards of negotiations and peace settlements, their unexpected consequences, and lessons learned. Of increasing importance is learning how to recover from atrocities through trials, truth commissions, and amnesties. Post-conflict political, economic, and social recoveries are also explored. The seminar also addresses such issues as reestablishing the rule of law, reconstruction of civil society, and of the institutions of governance. Finally, students will examine the politics and cultural impacts of rebuilding, including the economic and financial costs.

Semester Credits

	Maximum Variable Credits:
6	-

GD552 - International Terrorism by Non-State Actors

Course Overview

Description
Surveys of the non-state terrorism, both internationally and domestically, the different types of non-state terrorism, and the ideological and ideological goals of non-state terrorism. The objective of the course is to familiarize students with the phenomenon of international terrorism conducted by organizations active transnationally. Topics include: the political objectives of terrorism; dissident terrorism; the economic effects of terrorism; the role of ideology and religion; insurgency and civil war in terrorism; organized crime and terrorism; the role of technology; counterterrorism, homeland security and law; and future trends. Students utilize analytical literature addressing roots, stated objectives and methods used by international terrorist groups, and original statements and writings by leaders and ideologues of terrorist groups. Students assess the threat posed by non-state terrorism and methods for combating this threat.

Semester Credits

	Maximum Variable Credits:
6	-

GD554 - Cross Cultural Management in the International System

Course Overview

Description
Students will review fundamental topics in human resources management as these pertain to globally active organizations: corporate, not-profit, and governmental. The seminar focuses on building personal skills in dealing with intercultural Human Resources, management differences; selecting, evaluating, and compensating employees in international assignments; training and developing expatriate employees; dealing with culture shock; and examining the effects of repatriation. Students will be asked to apply the concepts of conflict managements, conflict resolution, and conflict avoidance to specific work situations.

Semester Credits

	Maximum Variable Credits:
6	-

GD555 - Comprehensive Exam

Course Overview

Description
The Comprehensive exam is a degree completion requirement for all Diplomacy students.

Semester Credits

	Maximum Variable Credits:
0	-

GD560 - Military Intervention & Conflict Management in the International System

Course Overview

Description
In this seminar students will examine conflict in all its forms. Such aspects as covert operations, psychological warfare, special operations, and limited warfare will be introduced. The increased emphasis on multinational coalitions and conflicts will be explored. A renewed emphasis will be given to terrorism, including the use of chemical, biological and nuclear agents. Special cases of civil war and collapsed state conflicts will be reviewed. Finally, the impact of modern warfare, most notably on the environment will be investigated.

Semester Credits

	Maximum Variable Credits:
6	-

GD561 - Human Rights and Conflict in the International System

Course Overview

Description
In this seminar students will probe the complicated connections between the protection and enforcement of human rights norms and the roots, unfolding, and termination of armed conflicts. Borrowing from the fields of peace-building, conflict resolution, diplomacy, and law, the seminar builds upon the themes of conflict prevention and post-conflict reconstruction developed in previous seminars by focusing on how human rights abuses make conflicts, especially violent conflicts more likely, and how a respect for the political, civil, economic, and social claims of individuals might repair and restore post-conflict societies.

Semester Credits

	Maximum Variable Credits:
6	-

GD562 - International Response to Transnational Terrorism

Course Overview

Description
This seminar surveys the strategies and policies used by states to combat transnational terrorism. It includes the development of international law as a tool against terrorism. It focuses on diplomatic and multilateral approaches to deal with cross-border issues, and government policies designed to improve internal and multinational anti-terrorism coordination and cooperation. Differences and commonalities among states in their approaches to terrorism are highlighted in an effort to examine best practices.

Semester Credits

	Maximum Variable Credits:
6	-

GD564 - Global Corporate Diplomacy

Course Overview

Description
This seminar addresses the issue of how international commerce depends upon the public goodwill, the development of which is the function of corporate diplomacy. The seminar will enable students to develop knowledge, competencies, and tools for implementing strategic communication in order to deal effectively with international constituencies, including the government, the news media and the Internet, and NGOs. Special emphasis will be laid on developing analytical skills to shape public opinion, build corporate reputation, and deal with crisis in a cross-cultural environment.

Semester Credits

	Maximum Variable Credits:
6	-

GD567 - Diplomacy and Communications

Course Overview

Description
This seminar examines the role of communication in diplomatic endeavors. The historical influence of communication is considered along with the evolving theoretical basis that has informed diplomatic communication. In addition to examining the role communication has played throughout the history of diplomacy, key challenges related diplomatic communication will be considered. These include cultural challenges, the evolving nature of communication technology, the movement towards transparency, and the development of public diplomacy.

Semester Credits

	Maximum Variable Credits:
6	-

GD568 - Cyber Diplomacy

Course Overview

Description
This course provides students the opportunity to synthesize learning from all previous seminars and to apply the concepts and principles relevant to the work or career goals of each student. Each student researches and prepares a written capstone project that offers a practical or theoretical solution to challenges or issues of contemporary international importance and relevance in cyber diplomacy. The final outcome of the seminar for each student is a paper suitable for publication in a professional or an academic journal. Students are required to exhibit in-depth critical thinking, analysis, and effective writing skills. Course assignments maximize the exchange of student suggestions and comments on the various stages of the capstone project, to include but not limited to topic section, thesis, resources and supporting information.

Semester Credits

	Maximum Variable Credits:
6	-

GD570 - Thesis Seminar

Course Overview

Description
In this research course students: identify their research topic, prepare a formal research proposal, identify literature and prepare bibliography, develop a methodological approach, prepare a thesis outline, and start working on chapter drafts. Students whose research projects that deal with human subjects have to familiarize themselves with ethical standards of conduct for scholarly research.

Semester Credits

	Maximum Variable Credits:
3	-

GD571 - Graduate Thesis Research II

Course Overview

Description
In this research course students: finalize their thesis outline, complete literature review, conduct necessary research, and start writing thesis chapters. Students work with their supervisors to develop a reasonable and coherent thesis draft.

Semester Credits

	Maximum Variable Credits:
3	-

GD572 - Graduate Thesis Research III

Course Overview

Description
Students are expected to read literature, do field research if applicable, prepare proposals, outline bibliographies, prepare drafts of theses chapters. This is a semester-long course, and it is estimated that students will spend approximately 140 hours in research and preparatory activities.

Semester Credits

	Maximum Variable Credits:
3	-

GD573 - Graduate Thesis Research IV

Course Overview

Description
Students are expected to finalize their research projects, and write and revise these chapters. This is a semester-long course, and it is estimated that students will spend approximately 140 hours in research and preparatory activities.

Semester Credits

	Maximum Variable Credits:
3	-

GD575 - Exit Portfolio

Course Overview

Description
The Exit Portfolio is a degree completion requirement for all Master of Arts in Diplomacy students.

Semester Credits

	Maximum Variable Credits:
0	-

GD579 - GR Research Project Exam

Course Overview

Description
A research project is prepared and examined, if applicable, through written and/or oral examination format. Students make necessary revisions to their final research product, and submit the final copy of their manuscript to the university.

Semester Credits

0

Maximum Variable Credits:
-

GD588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GE188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GE288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GE300 - Topics in Geography

Course Overview

Description
Select topics offered on occasion.

Semester Credits

3

Maximum Variable Credits:
-

GE388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GE488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GI188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GI288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GI388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GI488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GI510 - Introduction to Information Assurance

Course Overview

Description
This course introduces the foundations of information assurance with a focus on concepts and terminology used in describing, analyzing and implementing information security. Topics include the history and mission of information assurance, history of computer crime, modern and historical cryptology, information warefare, penetrating computer systems and networks, malware, social engineering, spam, phishing, physical and facilities security, network security, identification and authentication, securing stored data, data backups and archives, patch management and protecting digital rights. This course is cross-listed with IA340. Prerequisites: Permission of Online Program Director or Campus Director. Offered: Fall, Winter, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

GI511 - Management of Information Assurance

Course Overview

Description
This course focuses on management of the information assurance process. Topics include human factors in reducing security breaches, security incident detection and response, remediation, management's role in information assurance and other considerations in framing and implementing information assurance policies. The final section review current topics of particular interest and activity in the field of information assurance. This course is cross-listed with IA 342. Prerequisites: Permission of the Online Program Director or Campus Director.

Semester Credits

	Maximum Variable Credits:
3	-

GI512 - Mastering Cybersecurity Foundations

Course Overview

Description
Mastering Cybersecurity Foundations explores the evolution of information assurance from early computing to today’s interconnected systems. Students will gain a deep understanding of encryption, privacy, security policies, regulatory frameworks, and foundational IA models. By combining historical insights with technical expertise, this course equips students with the skills needed to establish and maintain secure systems in complex, modern cyber environments. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

GI522 - Information Assurance Technology

Course Overview

Description
This seminar focuses on the use of technological defenses against threats and exploitations of vulnerabilities in information systems. Topics include physical security measures, access controls, security elements of operating systems, network security measures, anti-malware tools, anti-spam measures, anti-piracy systems, software development methods supporting security, and security certifications for software products.

Semester Credits

Maximum Variable Credits:

6

-

GI532 - Human Factors and Managing Risk

Course Overview

Description

Focuses on business objectives, user attitudes and user activities significantly influence both the development of an information assurance program and its successful implementation. The first week focuses on Operations Security and why it is the foundation for an IA program and the key to the program's effectiveness. The following five weeks explore security awareness as a component of organizational culture: crafting the information assurance message; understanding ethical decision- making as a factor in security; understanding social psychology and how behaviors will influence the effectiveness of security activities; using employment practices and policies to support information security; and creating Acceptable Use and e-mail policies. The final four weeks examine different elements of Risk Management from basic principles through application. The NIST Special Publication 800-30 provides a solid foundation for the risk management issues. Two popular risk assessment processes, and several other processes that help identify risk will be discussed.

Semester Credits

Maximum Variable Credits:

6

-

GI542 - Information Assurance Management and Analytics

Course Overview

Description

This seminar is arranged in four general areas beginning with examining and exploring the strategic and gradually narrowing down to the tactical level, Compliance, Management, Leadership, & Policy Development, Relationships & Adding Value, Project Management. The curriculum explores the aspects, methods, and alternatives in information assurance management and compares/utilizes them with respect to non-IT-related management approaches and styles. Additionally, it explores alternatives in building support and consensus for projects and activities and focuses heavily on adding value to the organization. Developing an information assurance marketing plan is examined and is used to help identify techniques of improving the information assurance awareness. Analytics are explored both in terms of metrics and measuring business impact and problem solving and project management techniques and alternatives are included.

Semester Credits

Maximum Variable Credits:

6

-

GI551 - Computer Forensic Investigations

Course Overview

Description

This course focuses on the spectrum of tools and techniques used to investigate digital incidents whether in a civil or criminal environment. Information assurance professionals are expected to have a broad understanding of digital incidents, their management, investigation and analysis. This seminar provides that broad understanding and places it in the context of other information assurance domains. These discussions of digital investigation and forensics cover topics from both the technical and management perspectives. This coverage aids the information assurance professional in understanding and the application of domain-specific knowledge.

Semester Credits

Maximum Variable Credits:

6

-

GI554 - Computer Security Incident Response Team Management

Course Overview

Description
Students will analyze and apply the key points in creating and managing a computer security incident response team (CSIRT), also sometimes known as a computer incident response team (CIRT) or a computer emergency response team (CERT). Major topics include establishing CSIRTs; responding to computer emergencies; securing the CSIRT; managing the CSIRT with respect to professionalism, setting priorities for triage, and protecting personnel against burnout; and learning from emergencies using the incident postmortem and by establishing continuous process improvement within the organization. Students will use their case study to apply their knowledge to real-world situations and will prepare recommendations for establishment of a new CSIRT or improvement of their existing CSIRT.

Semester Credits

	Maximum Variable Credits:
6	-

GI556 - Cyber Crime

Course Overview

Description
This course explores the nature of conflict in cyber space focusing on two major internet-based threats to the U.S. national security: cyber terrorism and cyber crime. The course addresses questions like: who is undertaking these cyber activities, what techniques they use, and what countermeasures can be adopted to mitigate their impact. The course is built around a risk management framework to help information leaders leverage the benefits of Internet technologies while minimizing the risks that such technologies pose to their organizations.

Semester Credits

	Maximum Variable Credits:
6	-

GI557 - Cyber Law

Course Overview

Description
Explores a broad variety of federal statutory, common, and international laws that may impact the information technology professional.Because the overwhelming majority of cyber infrastructure is owned and operated by the private sector, the course focus is on those laws that affect the interaction between government and the private sector information technology industry, including the privacy rights so often implicated in modern data storage systems. The seminar starts with a look at cyber law and whether it is really a distinct legal discipline. It then moves into criminal, civil, regulatory, international and common laws with which a current information technology professional may come in contact. Discussion on how public policy and other factors impact the development, implementation, and interpretation of the law. Students will read, interpret and apply legal authorities and theories, a valuable skill for future information technology leaders if they are to stay in compliance with the ever-growing cyber legal framework.

Semester Credits

	Maximum Variable Credits:
6	-

GI562 - Vulnerability Management and Penetration Testing I

Course Overview

Description
Basics in penetration testing of computer networks. This is the first of two courses addressing Vulnerability Management. A virtual lab is used to gain experience through hands-on lab exercises. Students learn to use the well-known open-source Metasploit computer security project to understand security vulnerabilities and how to use this tool for penetration testing, testing the control tools and how to conduct monitoring of an enterprise. In the course students are introduced to: system security and vulnerability analysis, the most common system exploits and vulnerabilities, system pivoting and client-side exploits. In this seminar students are introduced to open-source tools, in particular, the Metasploit Framework (MSF). Students learn how to assess enterprise security controls and system vulnerability and learn to document their findings. This course is designed for penetration testers, system security and network administrators.

Semester Credits

	Maximum Variable Credits:
6	-

GI563 - Vulnerability Management II

Course Overview

Description
Advanced open-source tools used to conduct penetration testing of computer networks. This is the second of two courses that address Vulnerability Management. Students learn the rules of engagement, and how to conduct legal and ethical security tests and vulnerability assessments. A virtual lab is used to gain experience through hands-on lab exercises. Students learn to use the well-known open-source tools (Metasploit , John the Ripper, Wireshark) to understand security vulnerabilities and how to use this tool for penetration testing, testing the control tools and how to conduct monitoring of an enterprise. In the course students are introduced to: system security and vulnerability analysis, the most common system exploits and vulnerabilities, system pivoting and client-side exploits.

Semester Credits

	Maximum Variable Credits:
6	-

GI566 - Critical Infra. Protection

Course Overview

Description
This course examines the security of information in computer and communications networks within infrastructure sectors critical to national security. These include the sectors of banking, securities and commodities markets, industrial supply chain, electrical/smart grid, energy, transportation, communications, water supply and health. Special attention is paid to the risk management of information in critical infrastructure environments through an analysis & synthesis of assets, threats, vulnerabilities, impacts, and countermeasures. Critical consideration is paid to the role of Supervisory Control and Data Acquisition (SCADA) systems in the flow of resources such as electric, water, and fuel.

Semester Credits

	Maximum Variable Credits:
6	-

GI567 - International Perspectives on Cyberspace

Course Overview

Description
This course explores the concept of cyber and cyberspace from an international perspective. It starts with a look at the technical nature of the internet from its very beginning. It then moves on to explore the various threats facing all nations, including the various threat actors and their motivations, capabilities and intentions. The course then looks at how technical aspects of cyberspace complicate policing and monitoring of activities. Policies, both U.S. and international are explored next, including a look at the prospects for international cooperation. A look at cyber deterrence and cyberwar follows, as well as a more detailed look into the cyber policies and activities of certain state and non-state actors.

Semester Credits

	Maximum Variable Credits:
6	-

GI588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GL110 - Introduction to Geology

Course Overview

Description
An introduction to Earth's internal and external physical processes, its materials and landforms, and the connection between natural phenomena and humans. The lab includes field investigation, rock and mineral identification, and geologic data gathering and analysis. 3 Lecture hours and 2 Lab hours. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
0	4

GL111 - Oceanography

Course Overview

Description
A basic survey of the physical, chemical, and geologic character of the world's oceans. Topics include patterns of energy exchange, chemical cycles, geological environments within the sea, evolution of ocean basins, and marine environmental issues. 3 Lecture hours and 2 Lab hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

GL120 - Topics in Applied Geology

Course Overview

Description
Geology continuously impacts our everyday lives. Topics in Applied Geology examines relevant connections between geology, society, and other disciplines. Geologic principles are presented using an interdisciplinary approach that stresses the importance of understanding this foundational natural science. Topics vary by course but strive for relevancy and connections with other disciplines and will include experiential learning such as experiments, mock investigations, case studies, and service projects. Repeatable with a different topic up to 4 times; this includes any topic offered as a 199 course with the same title. Offered Fall of odd years.

Semester Credits

	Maximum Variable Credits:
3	-

GL156 - Introduction to Earth Evolution

Course Overview

Description
An introduction to the 4600-million-year history of the evolution of Earth and life. Data and scientific theories for Earth history are presented for major Earth events. The lab focuses on fossil and rock identification, interpretation of ancient environments, and use of the rock record to reconstruct Earth's evolution. 3 Lecture hours and 2 Lab hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

GL188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

GL199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

GL251 - Sophomore Seminar in Geology

Course Overview

Description
Introduces the fundamentals of scientific investigation and communication. An experimental project introduces the Scientific Method, while scientific literature is introduced and coupled with instruction in and application of technical writing. Students learn to communicate scientific information in poster and oral presentations and they initiate development of their professional portfolio.1 Lecture hour. Requisite: A student with credit in ES 251 must get permission to enroll, eg. mutually exclusive. Offered: Fall

Semester Credits

	Maximum Variable Credits:
1	-

GL253 - Geomorphology

Course Overview

Description
Examines the origin and evolution of surface features of the Earth by geological processes acting upon various Earth materials and geological structures. 2 Lecture hours and 4 Lab and/or field hours. Prerequisite: GL 110. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
0	4

GL255 - Hydrogeology

Course Overview

Description
Provides examination of the basic principles of groundwater, including its occurrence, flow and development, the assessment and remediation of groundwater contamination, and the protection of groundwater as a natural resource. 3 Lecture hours. Prerequisite: MA 107, EG 109 or GL 110 or GL 156. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

GL257 - Sedimentology

Course Overview

Description
A course that provides the analysis and interpretation of sedimentary rocks, sedimentary processes and environments of deposition. 3 Lecture hours and 4 Lab and/or field hours. Prerequisite: GL 110, GL 111 or GL 156. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
0	4

GL260 - Project in Geology

Course Overview

Description
Students conduct an independent study on a geological field or laboratory project. Topic chosen by mutual consent of the student and the instructor. A written report is required. May be repeated one time for credit under a different topic. Prerequisite: GL 110 or GL 111 or GL 156 and Permission of Department Chair. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
1	4

GL261 - Field Geology

Course Overview

Description
A study of the techniques used in the measurement of large and small scale geologic structures. Emphasis is placed on field recognition of features such as bedding, cleavage, folds, faults and their use in geologic mapping. 3 Lecture hours and 4 Lab hours. Prerequisite: GL 110 or GL 156 or Permission of Instructor. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
0	4

GL262 - Structural Geology

Course Overview

Description
Students study the analysis and interpretation of patterns in the structural features of the Earth's crust. Topics include the genesis of tectonic features, analysis of strain in rocks, the interpretation of multiply-deformed rocks, and modeling of faults and fractures. 3 Lecture hours and 3 Lab hours. Prerequisite: GL 261 or Permission of Instructor. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
0	4

GL265 - Glacial Geology and Paleoclimate

Course Overview

Description
This course covers glaciology and glacial deposits and landforms, with a strong focus on field investigation, as well as presenting the data and hypotheses on Quaternary climate change, including traditional glacial chronology and marine and ice core data and resultant chronology. Global climate change, both past and present, is a central theme of the course. 3 Lecture hours and 4 Lab hours. Prerequisite: GL 110. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
0	4

GL267 - Earth Materials

Course Overview

Description
Earth Materials is the study of the physical and chemical properties of the fundamental building blocks of crystalline rocks. Topics include environments of mineral formation and the pressure, temperature, time and depth conditions where rocks and their component minerals may metamorphose and deform. Course topics include: foundational mineral structure and crystal chemistry, global ore mineral distribution, crystalline rock stability, linking rock and mineral evolution to tectonic processes and the fundamental techniques of rock and mineral identification via qualitative description, geochemical analysis and quantification of crystalline structures. Prerequisites: GL 110 or GL 111 or GL 156. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
0	4

GL288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

GL290 - Internship in Geology

Course Overview

Description
A course for geology internships on a topic chosen by mutual consent of the student and the instructor. A written report is required. May be repeated one time for credit. Prerequisite: GL 110 or GL 111 or GL 156, 2.0 Cumulative GPA and Permission of Department Chair. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
0	4

GL299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

Maximum Variable Credits:

0

4

GL340 - Project Development in Geology

Course Overview

Description

Develops the skills for designing and executing an original scientific research project. Topics include research plan development, literature research to inform methodology, generation of site maps and protocols for collecting field and laboratory data, and generation of a properly formatted research proposal. 1 Lecture hour. Requisite: A student with credit in ES 340 must get permission to enroll, eg. mutually exclusive. Prerequisite: Geology or Environmental Science major, Junior or higher and Permission of Instructor. Offered: Spring

Semester Credits

Maximum Variable Credits:

1

-

GL388 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

0

6

GL440 - Research Project in Geology

Course Overview

Description

A capstone original research project under the direction of a faculty member in coordination with others taking this course. Field and laboratory work will generate new data on an expanding base; after analysis and interpretation, data will be presented in a technical format. All aspects of the project will be interpreted in the context of the literature. May be repeated twice under different projects. 3 lab hours; field travel required. Requisite: A student with credit in ES 440 must get permission to enroll, eg. mutually exclusive. Prerequisite: GL 340. Offered: Fall

Semester Credits

Maximum Variable Credits:

3

-

GL451 - Geology Seminar

Course Overview

Description

A capstone seminar experience integrating reading, writing, and group participation focused on Earth and environmental issues. Discussions explore links between society and global systems. 3 Lecture hours. Requisite: A student with credit in ES 451 must get permission to enroll, eg. mutually exclusive. Prerequisite: Geology majors and Senior standing. Offered: Spring

Semester Credits

Maximum Variable Credits:

3

-

GL460 - Project Completion in Geology

Course Overview

Description
Follows work in GL 440. Students integrate the body of scientific knowledge into a professional and technical report. Students work collaboratively with their research advisor. 1 Lecture hour. May be repeated twice under different projects. Requisite: A student with credit in ES 460 must get permission to enroll, eg. mutually exclusive. Prerequisite: GL 440. Offered: Spring

Semester Credits

	Maximum Variable Credits:
1	-

GL488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

GR121 - Beginning German I

Course Overview

Description
Students progress along the first steps towards acquiring basic languages skills: speaking, listening, reading, and writing, with a focus on their use for several modes of communication, such as the interpersonal, the interpretive, and the informative, within the context of the cultures of the German-speaking world. For students with little or no previous exposure to German. 4 Lecture hours. Prerequisite: None.

Semester Credits

	Maximum Variable Credits:
4	-

GR122 - Beginning German II

Course Overview

Description
Students continue progress toward novice-high skill levels in speaking, listening, reading, and writing - and their use in several modes of communication: the interpersonal, the interpretive, and the informative - all within the context of the cultures of the German-speaking world. 4 Lecture hours. Prerequisite: GR 121 or Modern Language Placement Score GR 194 or higher

Semester Credits

	Maximum Variable Credits:
4	-

GR188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GR205 - Intermediate German I

Course Overview

Description
A sequence that provides aural-oral practice in German, in which students are enabled to enter into full discussion of topics that include abstract themes; review and expanded use of syntactical structures; intensive and extensive reading; and composition. 3 Lecture hours and 1 Lab hour. Prerequisite: GR 122 or Modern Language Placement Score GR 315 to 381.

Semester Credits

	Maximum Variable Credits:
3	-

GR206 - Intermediate German II

Course Overview

Description
A sequence that provides aural-oral practice in German, in which students are enabled to enter into full discussion of topics that include abstract themes; review and expanded use of syntactical structures; intensive and extensive reading; and composition. 3 Lecture hours and 1 Lab hour. Prerequisite: GR 205 or Modern Language Placement Score GR 382 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

GR250 - Topics Course

Course Overview

Description
Specialized topics relating to culture, literature, business practices, or language. Topic will be indicated in the schedule of classes. Taught in German. Counts as Arts & Humanities elective. Course may be repeated for credit up to 4 times when offered as different topics. Prerequisite: GR206 or Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

GR288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

GR321 - Survey of German Culture I: From the Beginnings to 1848

Course Overview

Description
Introduction to major currents in German social, political and cultural history from the time of the Roman Empire until the Revolution of 1848. Taught in German. Prerequisite: GR 206 or Modern Language Placement Score GR 382 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

GR322 - Survey of German Lit I: From the Beginnings to 1848

Course Overview

Description
Introduction to major texts and literary figures from the Roman Era until the Revolution of 1848, including, among others, Tacitus, Charlemagne, the courtly poets, Luther, the literary Baroque, Lessing, Goethe, Schiller, Kleist, the brothers Grimm, Büchner and Heine. Taught in German. Prerequisite: GR 206 or Modern Language Placement Score GR 382 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

GR323 - Survey of German Culture II: 1848 to 1945

Course Overview

Description
Introduction to major currents in German social, political, and cultural history from the evolution of 1848 through Bismarck and German unification to World War 1, the Weimar Republic, and the period of Fascism and the Holocaust. Taught in German. Prerequisite: GR 206 or Modern Language Placement Score GR 382 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

GR324 - Survey of German Literature II: 1848 to 1945

Course Overview

Description
Introduction to major texts and literary figures from the first unification of Germany until the end of World War II, including Nietzsche, Hofmannsthal, Rilke, Thomas Mann, Kafka, Brecht, and others. Taught in German. Prerequisite: GR 206 or Modern Language Placement Score GR 382 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

GR350 - Topics Course

Course Overview

Description
Specialized topics relating to culture, literature, business practices, or language. Topic will be indicated in the schedule of classes. Taught in German. Course may be repeated up to 4 classes if the topic differs. Prerequisite: GR 206, GR 300-level course; or Modern Language Placement Score GR 382 or higher.

Semester Credits

3

Maximum Variable Credits:
-

GR388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GR399 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

3

Maximum Variable Credits:
-

GR488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GU588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

GU590 - Selected Topics

Course Overview

Description
This seminar will require a student(s) to make an original, extended, and in-depth study of an approved topic within their field of study and as approved by an appropriate Program Director. This course is used most often in combination with other listed courses where the student has transferred less than six credits. Prerequisite: Approval of the Program Director.

Semester Credits

	Maximum Variable Credits:
0	6

HHPR101 - Scientific Foundations of Health and Wellness

Course Overview

Description
This course is a comprehensive introduction to the effects physical activity and fitness have on health and wellness, at the individual and community level. Additionally, exercise prescription for health and fitness and the principal of performance exercise prescription are covered. Consideration will be given to the nature of communicable diseases and preventative measures used individually, in schools and community. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

HHPR102 - Resilient Bodies

Course Overview

Description
Developing skills and habits needed to thrive from a holistic health perspective. Classes build resilience by developing and enhancing emotional and self-regulation skills to improve the response to acute stressors; building confidence, social support and resource awareness to deal with acute and chronic stressors; and improving working knowledge and application of appropriate nutrition, physical activity and sleep behaviors that support resiliency over time. Assignments promote skills practice in a realistic and personal setting. Credit cannot be earned when taken as HHPR 199; Resilient Bodies. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
1	-

HHPR105 - Fundamentals of Tactical Nutrition

Course Overview

Description
This course is a comprehensive introduction to the impact of nutrition on tactical performance and recovery with additional attention to how nutrition affects sleep and stress in the tactical athlete population, ie: warfighters, police, firefighters and first responders. Further consideration will be given to the intersection of nutrition and non-communicable diseases and diet-related preventive measures in this population. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR136 - Emergency Care of Injury and I

Course Overview

Description
Follows the national standards for Advanced First Aid, CPR for Professional Rescuers, and Bloodborne Pathogens. Recognition, care, and temporary treatment of injuries and illness are discussed and the associated skills are practiced. In addition, this course will introduce basic concepts of emergency actions plans and initial injury evaluation. Upon successful completion of the course, students will be awarded national certification cards for: Advanced First Aid, CPR for Professional Rescuers, and Bloodborne Pathogens training. 2 Lecture hours. 2 Lab hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	3

HHPR138 - Introduction to Health Professions

Course Overview

Description
Provides students with an introduction to the principles of pharmacology, medical terminology, and documentation used in the care of physically active individuals. Students will have opportunities to explore various careers in the field of healthcare. 3 Lecture hours. Prerequisite: Health Science or Exercise Science standing. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR139 - Health Science Research Methods

Course Overview

Description
Provides the foundation for understanding basic research methods and the application of research findings to health care. Current literature is used to demonstrate the fundamentals of research design. Focus is on concepts of evidence-based practice with emphasis on forming answerable clinical questions, effective literature search strategies, and evaluation of the strength and relevance of clinical evidence. 3 Lecture hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HHPR199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	3

HHPR200 - Foods and Nutrition

Course Overview

Description
Provides a background in organizational structure and activities that emphasize the physiological basis of nutrition with an analysis of nutritional needs at various age levels. Consideration given to the relationship of nutrition to health and fitness, principles of food selection, metabolism of nutrients, vitamins and minerals, energy balance and obesity, food safety and technology. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR202 - Applications in Exercise Science

Course Overview

Description
Provides the foundational knowledge and skills required to safely perform and instruct a variety of advanced resistance training and performance training exercise techniques. Applied experience in the form of service learning will enhance course content understanding through real world application of required skills. Emphasis will be placed on safety, cuing, adapting and progressing exercises based on participant needs. An evidence based approach to selecting exercises will be utilized throughout the course. 2 Lecture hours. 2 Lab hours, 1 hour in instruction and 1 hour in service application. Prerequisite: HHPR 101. Restriction: Sophomore 1 or higher. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	3

HHPR205 - Exercise and Sport Psychology

Course Overview

Description
Introduces students to prevalent theories and concepts within the discipline of exercise and sport psychology. Students will consider practical applications in sport, health and fitness industries; will be introduced to basic psychological strategies that can enhance sport and exercise performance and participation. 3 Lecture hours. Prerequisite: PY 211. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR212 - Health Promotion

Course Overview

Description
Provides students with the knowledge and skills essential for understanding the etiology and prevention of common injuries and illness. Students will learn practical and theoretical skills needed to plan, implement, and evaluate health promotion programs in a variety of settings. Students will gain an understanding of how assessment, public policy, culture, and research impact health promotion planning. 3 Lecture Hours. Prerequisites: HHPR 101, HHPR 139. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR214 - Clinical Anatomy

Course Overview

Description
This course is designed to explore musculoskeletal anatomy relating to human performance. Students will be able to identify major anatomical landmarks through palpation and perform range of motion assessments upon completion of the course. 3 Lecture hours. Prerequisite: BI 215.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR223 - Motor Skills Development

Course Overview

Description
This course teaches students to apply principles of best practice to the development and delivery of appropriate instructional programs in individual and elementary activities currently being taught in the public schools e.g. dance, throwing, catching, kicking, and gymnastics. Strong consideration is given to the development of personal performance and skill acquisition in order to more effectively lead practical lessons in school. Students must demonstrate an understanding of, and competence in motor skill acquisition. 2 Lecture hours. 2 Lab hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	3

HHPR224 - Motor Skills Development II

Course Overview

Description
This course teaches students to apply principles of best practice to the development and delivery of appropriate instructional programs in team, dual, and secondary activities currently being taught in the public schools (e.g. basketball, volleyball, soccer, racquet sports) as well as non-traditional activities, e.g. Indiaka, Takraw, pateka, tchoukball. Consideration is given to the development of personal performance and skill acquisition in order to effectively lead practical lessons in school. Students must demonstrate an understanding of, and competence in motor skill acquisition and physical education pedagogy in the context of public school instruction programs. 2 Lecture hours. 2 Lab hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	3

HHPR245 - Assessment in PE and Sports

Course Overview

Description
Introduction to construction, evaluation, and interpretation of assessments utilized in K-12 Health and Physical Education. Emphasis is placed on standards-based assessments and analysis of data to inform instruction.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR256 - Fundamentals of Epidemiology

Course Overview

Description
Covers applications of Epidemiologic methods and procedures to the study of the distribution and determinants of health and diseases, morbidity, injuries, disability, and mortality in populations. Epidemiologic methods for the control of conditions such as infectious and chronic diseases, mental disorders, community and environmental health hazards, and unintentional injuries are discussed. Other topics include quantitative aspects of epidemiology, data sources, measures of morbidity and mortality, evaluation of association and causality, study design, and screening for disease. 3 Lecture hours. Prerequisites: HHPR 139, MA 232. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

HHPR261 - Foundations in Health Education

Course Overview

Description
This course will teach historical development, professional standards, philosophy and program planning, including current best practices in the development, implementation and evaluation of health education programs. It will focus on developing personal and social health skills, including decision making, interpersonal communication, goal setting and self-management skills. Also, this course will integrate teaching students media literacy, personal advocacy, and how to access valid health information, products and services and how to teach this to prospective students. 2 Field experience hours. 3 Lecture hours. Prerequisite: HHPR 101. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

HHPR265 - Lifelong Motor Development

Course Overview

Description
This course studies the sequential, continuous age-related process whereby movement behavior changes. The class will cover information processing theories, theories of motor learning, effects of practice regimens and feedback and biological changes experienced over a lifetime, which affect motor skill acquisition. Understanding lifespan motor development is important for educators at all levels, special education teachers, physical educators, coaches, and adult fitness leaders.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR271 - Outdoor Physical Education I

Course Overview

Description
This course provides students with a comprehensive background in warm weather Outdoor Physical Education. Skills in trip planning, risk management, equipment selection concerning use and care, and group leadership techniques will be covered. This class will prepare students to recognize the assumption of risk, attractive nuisances, negligence, and the standard of care when facilitating an Outdoor Physical Education program. Students will study and practice principles and protocols for administering safe, high-quality outdoor education experiences in canoeing and kayaking, mountain biking, hiking & backpacking, adventure, etc. Also covered will be topics in animal and wilderness conservation, nutrition, compass use and navigation, and environmental ethics. 2 Lecture hours. 3 Field experience hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	3

HHPR272 - Outdoor Physical Education II

Course Overview

Description
This course provides students with a comprehensive background in cold weather Outdoor Physical Education. Students will be actively engaged in winter activities. This class will prepare students to conduct classes in outdoor education during the winter, covering snowshoeing, cross-country skiing, ice skating, etc. Also presented will be, but not limited to, topics in animal and wilderness conservation, nutrition, mountain and cold weather illness and injuries, and snow science, such as avalanche assessment and ice assessment. An emphasis will be placed on preparing individuals to be active in cold weather under winter conditions. 2 Lecture hours and 3 Field experience hours. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	3

HHPR288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HHPR299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	3

HHPR301 - Physiology of Exercise

Course Overview

Description
A review of physiological principles of muscular activity with emphasis on the integration of body systems in the performance of exercise and various athletic activities. 3 Lecture hours. 2 Lab hours. Prerequisite: Grade of C or higher in BI 215.

Semester Credits

	Maximum Variable Credits:
0	4

HHPR302 - Advanced Physiology of Exercise

Course Overview

Description
Provides a deeper and expanded look at the exercise physiology knowledge required of today's exercise science professional. Emphasis will be placed on chronic adaptations as well as endocrine, genetic and environmental considerations in exercise. Emerging exercise physiology literature will also be critically evaluated. 2 Lecture hours. Prerequisites: HHPR 301, HHPR 202, HHPR 304. Restriction: Junior or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
2	-

HHPR307 - Applications in Tactical Strength and Conditioning

Course Overview

Description
Provides the knowledge and skills required of the National Strength and Conditioning Association Tactical Strength and Conditioning Facilitator; TSAC-F. Applied experience in the form of service learning will enhance course content understanding through real world application of required skills. Emphasis will be placed on evidence based development and safe implementation of exercise programs for military, fire and rescue, law enforcement, protective services and other emergency personnel. 2 Lecture hours. 2 Lab hours; 1 hour in instruction and 1 hour in service application. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
0	3

HHPR333 - Management Sports Facilities

Course Overview

Description
This course is designed to help prepare students for careers associated with sport facility management. A detailed examination of facility utilization, including safety and security, scheduling, maintenance, and emergencies and emergency response will be applied to a variety of facilities. Additionally, the administration of a facility with special attention to preventative supervision, risk management, facility assessment and design, project planning, and staffing will be examined. Facilities covered will include but not be limited to parks, recreation centers, gymnasiums, aquatic facilities, fitness centers, sports arenas, tennis courts, and golf courses. 3 Lecture hours. Prerequisites: HHPR 101. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR341 - Instructional Strategies for Physical Education in Elementary School

Course Overview

Description
Provides classroom and practical experience designed to acquaint the student with basic materials, methods, and principles necessary to meet the educational needs of the elementary school child. Emphasis is placed on curriculum development with consideration given to concepts of movement education and perceptual motor development. Movement theory is applied to specific sports skills and activities. Health information protection and student privacy issues are included throughout the course of instruction. 3 Lecture hours and 3 Practicum hours on site at a local Elementary School. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
0	4

HHPR342 - Instructional Strategies for Physical Education in Middle-Secondary School

Course Overview

Description
Places emphasis on ethics, principles, procedures, and techniques related to teaching health and physical education in the elementary and secondary schools. Methods of organization, types of programs, and content and materials of health and physical education courses are reinforced. Experience provided in traditional and new media, self and peer evaluation, and micro teaching. Health information protection and student privacy issues are reinforced throughout this course. 3 Lecture hours and 3 Practicum hours on site at a local high school. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
0	4

HHPR355 - Coaching Leadership in Sports

Course Overview

Description
A course with a strong focus on the philosophy, ethics, principles, and techniques of coaching individual and team sports. Identifying and addressing the ethical dilemmas pervading our sport organizations today will be emphasized. This course provides an emphasis on the organization of interscholastic athletics in relation to the achievement of education objectives. In addition, students will be prepared for the National Federation of State High School coaching certification. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR365 - Kinesiology

Course Overview

Description
A review of the structure and function of the skeletal and muscular systems with special emphasis on an analysis of human motion as related to human performance. 3 Lecture hours. 2 Lab hours. Prerequisite: Grade of C or higher in BI 215 and BI 216.

Semester Credits

	Maximum Variable Credits:
0	4

HHPR375 - Adapted Physical Activity

Course Overview

Description
A study and overview of activities and programs focused on meeting the needs of special populations. Topics include cognitive, neuromuscular, sensory, and orthopedic impairments. Consideration will be given to teaching methodology, including, design and implementation of physical activity programs for individuals with disabilities. This course includes off-campus activities. Prerequisites: HHPR 101. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HHPR399 - Topics

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

HHPR404 - Applications in Exercise Testing and Prescription

Course Overview

Description
Provides the knowledge and skills required of the American College of Sports Medicine Certified Exercise Physiologist; ACSM-EP, in conjunction with HHPR 408 Applications in Clinical Exercise Physiology. Applied experience in the form of service learning will enhance course content understanding through real world application of required skills. Emphasis will be placed on developing safe, evidence based exercise prescriptions for apparently healthy individuals across the age span within the ACSP-EP scope of practice. 3 Lecture hours. 2 Lab hours, 1 hour in instruction and 1 hour in service application. Prerequisites: HHPR 301, HHPR 202. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
0	4

HHPR406 - Readings in Physical Education

Course Overview

Description
This course examines the current literature on issues facing future professional educators of an ethical, legal or pedagogical nature. Students are expected to think, read, write and speak critically about these professional issues in the physical education discipline. The submission of a professional portfolio is required. 3 Seminar hours.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR408 - Applications in Clinical Exercise Physiology

Course Overview

Description
Provides the knowledge and skills required of the American College of Sports Medicine Certified Exercise Physiologist; ACSP-EP, in conjunction with HHPR 408 Applications in Exercise Testing and Prescription. Applied Experience in the form of service learning will enhance course content understanding through real-world application of required skills. Emphasis will be placed on establishing an understanding of clinical exercise physiology to develop safe, evidence-based exercise prescriptions for clinical populations within the ACSM-EP scope of practice. 3 Lecture hours. 2 Lab hours, 1 hour in instruction, and 1 hour in service application. Prerequisite: HHPR 202 and HHPR 301. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

HHPR410 - Applications in Strength and Conditioning

Course Overview

Description
Provides the knowledge and skills required of the National Strength and Conditioning Association Certified Strength and Conditioning Specialist; CSCS. Applied experience in the form of service learning will enhance course content understanding through real-world application of required skills. Emphasis will be placed on evidence-based development and safe implementation of strength and conditioning programs to help individual athletes and teams accomplish their performance goals within the CSCS scope of practice. 3 Lecture hours. 2 Lab hours, 1 hour in instruction, and 1 hour in service application. Prerequisites: HHPR 202, HHPR 301, and HHPR 365. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

HHPR412 - Advanced Exercise Psychology

Course Overview

Description
This course involves advanced analysis of the psychosocial aspects of physical activity behavior and the application of theory based evidence to reducing sedentary behavior and improving exercise adherence. It includes practical techniques, tools and interventions (e.g. motivational interviewing) for the health and fitness professional to improve exercise knowledge and motivation among patients and clients. Consideration given to working with individuals, groups, communities and special populations. 3 Lecture hours. Prerequisites: HHRP 205. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR426 - Internship

Course Overview

Description
A course designed to provide students in their junior or senior year with a novel intern-type experience in a professional setting appropriate to their career goals. A maximum of 12 credits may be applied to the student record. Restrictions: Sophomore 2 or higher. Permission of Instructor. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	12

HHPR432 - Organization and Administration in Physical Education

Course Overview

Description
A course that emphasizes the study of administrative principles, functional organization, and supervision in relation to the total physical education program in grades K-12 and to managing sports facilities and sports programs. Major topics include personnel, curriculum, legal liability, intramurals, evaluation, budgeting and risk management.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR439 - Leadership & Management in Healthcare

Course Overview

Description
Focuses on leadership, management, and professional ethics in healthcare. Students will complete a series of organization and administrative projects and papers focused on personal and professional ethics. 3 Lecture hours. Restriction: Junior standing or higher. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR450 - Capstone Experience I

Course Overview

Description
A culminating experience in the department of health and human performance providing students an opportunity to synthesize, integrate and apply skills and competencies gained through their previous coursework. Students develop a primary or secondary research project in health or human performance based on an area of interest, prepare a written review of the existing scientific literature, and present work at the end of the semester. Satisfies general education capstone requirement. 3 Lecture hours. Prerequisites: HHPR 139. Restriction: Junior 2 or higher and Health Science, Exercise Science, or Public Health. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HHPR499 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	6

HHPR501 - Athletic Training in Healthcare

Course Overview

Description
Provides the framework for, and exposure to, athletic training practice as a member in a healthcare system. Students apply concepts of evidence-based practice, disablement models, and health information technologies in the investigation of Athletic Training within a global health care system. Field observations of athletic training practice completed as part of this course. 3 Lecture hours. Restriction: Open to MATR students, HS:ExSci Pre-Athletic Training Concentration, or Program Director approval. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR504 - Advanced Emergency Management

Course Overview

Description
Focusing on the essential skills required for students to be able to appropriately prevent, plan for, respond to, and manage emergencies in athletic medicine. Topics within the course consist of patient assessment, advanced wound closure, treatment of the equipment-laden athlete, environmental emergencies, and implementing emergency action plans. Inter-professional communication and care will be emphasized throughout. 3 Lecture hours. Restriction: Open to MATR students, HS EXSci Pre-Athletic Training Concentration or Program Director approval. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR505 - Care of Orthopedic Injuries

Course Overview

Description
Explores injuries and conditions affecting the lumbar spine and lower extremity. Students incorporate concepts in evidence-based practice, health information technology, and musculoskeletal evaluation and apply them specifically to lumbar and lower extremity pathologies in formulating a plan of care. 4 Lecture hours. Restriction: Open to MATR students, HS:ExSci Pre-Athletic Training Concentration, or Program Director approval. Offered: Fall

Semester Credits

	Maximum Variable Credits:
4	-

HHPR506 - Therapeutic Interventions

Course Overview

Description
Investigates technological and other mechanical agents that may be implemented in patient care that facilitate recovery from injury and promote overall improved health. Students select and gain experience using current biometric measurement tools to track health, physical modalities to promote the healing environment and hands-on clinical skills that may facilitate patient recovery. 3 Lecture hours. Restriction: Open to MATR students, HS ExSci Pre-Athletic Training Concentration or Program Director approval. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR507 - Care of Orthopedic Injuries II

Course Overview

Description
Explores injuries and conditions that may affect the cervical spine, thoracic spine, and upper extremity. Students incorporate concepts in evidence-based practice, health information technology, and musculoskeletal evaluation and apply them specifically to spine and upper extremity pathologies in formulating a plan of care. 4 Lecture hours. Restricted: Open to MATR students, HS:ExSci Pre-Athletic Training Concentration, or Program Director approval. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
4	-

HHPR508 - Therapeutic Interventions II

Course Overview

Description
Investigates the application of various therapeutic activities implemented in order to aid in patient recovery from injury and restoration of function. Students select and gain experience using current techniques for describing dysfunction as well as various techniques for improving patient mobility, strength, and activity performance in order to facilitate a patient's recovery. 4 Lecture hours. Restriction: Open to MATR students, HS:ExSci Pre-Athletic Training Concentration, or Program Director approval. Offered: Spring

Semester Credits

	Maximum Variable Credits:
4	-

HHPR509 - Clinical Experience in Athletic Training II

Course Overview

Description
Focuses on the clinical application of knowledge previously learned in didactic courses. Students participate in clinical experience rotations that provide the opportunity for hands-on application, demonstration and evaluation of clinical competencies/proficiencies under the direct supervision of a Preceptor at the University or an affiliated site. 3 Lecture hours. Prerequisite: HHPR 501, grade of C+ or higher. Restriction: Open to MATR students, HS ExSci Pre-Athletic Training Concentration or Program Director approval. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

HHPR601 - Medical Conditions in Athletic Training 1

Course Overview

Description
Students investigate pathologies that are common in physically active individuals by applying prior knowledge of the evaluation process as well as perform and interpret appropriate diagnostic testing necessary in the evaluation, and management of acute and chronic medical conditions affecting physical health. Body systems examined include the nervous system, cardiovascular system, respiratory system, eyes, ears, nose, and throat. 3 Lecture hours. Restriction: Open to MATR students, HS:ExSci Pre-Athletic Training Concentration, or Program Director approval. Offered: Spring

Semester Credits

Maximum Variable Credits:

3

-

HHPR602 - Medical Conditions in Athletic Training II

Course Overview

Description

Investigate pathologies common in physically active individuals by applying prior knowledge of the evaluation process as well as perform and interpret appropriate diagnostic testing necessary in the evaluation, and management of acute and chronic medical conditions affecting physical and mental health. Body systems examined include the gastrointestinal, renal, genitourinary, endocrine, and immune as well as mental health disorders. 3 Lecture hours. Prerequisite: HHPR 601, grade of C+ or higher. Restriction: Open to MATR students or Program Director Approval. Offered: Summer.

Semester Credits

Maximum Variable Credits:

3

-

HHPR603 - Clinical Experience in Athletic Training III

Course Overview

Description

Focuses on the clinical application of knowledge previously learned in didactic courses. Students participate in a clinical experience rotation that provides the opportunity for hands-on application, demonstration, and evaluation of clinical competencies/proficiencies under the direct supervision of a Preceptor at the University or an affiliated site. 3 Lecture hours. Restriction: Open to MATR students or Program Director approval. Offered: Summer

Semester Credits

Maximum Variable Credits:

3

-

HHPR604 - Clinical Experience in Athletic Training IV

Course Overview

Description

Focuses on the clinical application of knowledge previously learned in didactic courses. Students participate in a clinical experience rotation that provides the opportunity for hands-on application, demonstration, and evaluation of clinical competencies/proficiencies under the direct supervision of a Preceptor at the University or an affiliated site. 3 lecture hours. Restriction: Open to MATR students or Program Director approval. Offered: Fall

Semester Credits

Maximum Variable Credits:

3

-

HHPR605 - Administration in Athletic Training

Course Overview

Description

Emphasis is placed on the development and critical analysis of policies and procedures guiding clinical practice and management of athletic training facilities in order to provide patient-centered care to a variety of populations. 2 Lecture hours. Restriction: Open to MATR students or Program Director approval.
Offered: Fall

Semester Credits

Maximum Variable Credits:

2

-

HHPR606 - Injury and Disease Prevention

Course Overview

Description
Investigates the prevalence of common diseases and health conditions in athletic and physically active populations. Students evaluate patients, select interventions, and provide education in order to prevent or minimize the effects of chronic health disorders, prevent injury, and improve sports performance. Restriction: Open to MATR students, HS:ExSci Pre-Athletic Training Concentration, or Program Director approval. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR608 - Leadership and Professional Advancement

Course Overview

Description
Examines professional regulatory agencies in the field of Athletic Training to provide context for how the profession may be advanced. Development and proposal of a service-oriented project promoting the profession of Athletic Training is augmented by instruction in various leadership styles. 3 Lecture hours. Restriction: Open to MATR students or Program Director approval. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HHPR610 - Clinical Experience in Athletic Training V

Course Overview

Description
This course focuses on the clinical application of knowledge previously learned in didactic courses. The student will participate in clinical experience rotations that provide the opportunity for hands-on application, demonstration, and evaluation of clinical competencies/proficiencies under the direct supervision of a Preceptor at the University or an affiliated site. 3 Clinical hours. Restriction: Open to MATR students or Program Director approval. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR611 - Seminar in Athletic Training

Course Overview

Description
Focuses on advanced skills in sports medicine and addresses current “hot topics” pertinent to athletic training practice. 3 Lecture hours. Prerequisite: HHPR 605, grade of C+ or higher. Restriction: Open to MATR students or Program Director approval. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR612 - Leadership and Professional Advancement II

Course Overview

Description
Allows for the implementation and presentation of a service-oriented project promoting the profession of Athletic Training. Execution of project is augmented by the examination of various leadership styles. 2 Lecture hours. Prerequisite: HHPR 608, grade of C+ or higher. Restriction: Open to MATR students or Program Director approval. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
2	-

HHPR613 - Behavioral Health in Athletic Training

Course Overview

Description
Examines the role of behaviors in the health and wellbeing of the patient and practitioner across the wide athletic training employment field. Course content focuses on four categories of behavioral health impact: choice, injury, biology and resilience. 3 Lecture hours. Restriction: Open to MATR students or Program Director approval. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HHPR688 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

HI105 - First Year Seminar

Course Overview

Description
This course will introduce first-year students to the essential skills that contribute to academic success by exploring topical themes of broad historical interest and significance. The course will emphasize critical reading, persuasive and expository writing, making and defending oral and written arguments, public speaking, and study skills. 3 Lecture hours. Prerequisites: Open to Freshman History and Studies of War and Peace majors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HI107 - The History of Civilization I

Course Overview

Description
A survey providing a global perspective of the history of human cultures and institutions from earliest times to 1500 CE, focusing on Europe, Asia, and Africa. The course offers an active and participatory environment to the study of history through discussions, simulations, study of primary sources, and research assignments. 3 Lecture hours. Prerequisites: Open to Freshmen. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI108 - The History of Civilization II

Course Overview

Description
A survey of major world civilizations that provides a global perspective of the development of the modern world from 1500 to the present. The course offers an active and participatory environment to the study of history through discussions, simulations, study of primary sources, and research assignments. 3 Lecture hours. Prerequisites: Open to Freshmen. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI121 - American History Survey I

Course Overview

Description
A survey of American history from the Age of Discovery to 1877. American institutions ranging from political and economic to social and cultural will be examined. 3 Lecture hours. Prerequisites: Open to Freshmen and Sophomores. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI122 - American History Survey II

Course Overview

Description
A continuing survey of multiple facets of American civilization as presented in HI 121, focusing on the period from the close of political Reconstruction in 1877 to the present. The maturation of democratic institutions and the emergence of the United States as a world power will also be examined. 3 Lecture hours. Prerequisites: Open to Freshmen and Sophomores. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HI199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	6

HI201 - Ancient Greece and Rome

Course Overview

Description
A survey of Greek and Roman civilizations from the origins of the polis to the fall of the Western Roman Empire. 3 Lecture hours. Restriction: Freshman 2 or higher or permission of instructor. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI202 - The Middle Ages: Europe 500 - 1500

Course Overview

Description
The history of Europe from the fall of the Roman Empire to 1500. The class examines the major political, economic, social, and cultural trends in the development of a distinctive European civilization, built primarily on Christian, Greco-Roman, and Germanic foundations. 3 Lecture hours. Restriction: Freshman 2 or higher or permission of instructor. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI211 - Early East Asian Civilizations

Course Overview

Description
This broad, historical survey course is about the civilizations and cultures of East Asia and the people that lived in them until the immediate post-Mongol conquest period. The core of the course will cover the areas that include modern Japan, China and Korea with reference to the inner Asian steppes. This lecture based course will be supplemented by primary source readings and discussion on Chinese and Japanese cultures, art and political philosophy. 3 Lecture hours. Restriction: Freshman 2 or higher or permission of the instructor. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI214 - History of the Middle East

Course Overview

Description
A survey of a historically vital region. It will include an overview of the area known as the Cradle of Civilizations and Monotheism, as well as the rise of the Islamic Caliphate, the rise and fall of the Ottoman Empire, and the late 19th and 20th Centuries European imperialism and colonialism. The greatest emphasis, however, will be on the modern period. In order to fully comprehend the contemporary situation, it is necessary to include a historical examination of the cultural and religious diversity, as well as the political complexity of the people and states which comprise the so-called Middle East. 3 Lecture hours. Restriction: Freshman 2 or higher or permission of the instructor. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI220 - Age of Revolutions

Course Overview

Description
Students take on the identities and victory objectives of real historical figures and attempt to solve the philosophical and practical challenges posed by major world revolutions such as the American Revolution, French Revolution and Haitian Revolution using role immersion gaming pedagogy. Themes include the meaning of liberty, equality and natural rights, justifications for violent resistance and ideal forms of government. Students will use the writings of philosophers like John Locke and Jean-Jacques Rousseau to push for specific historical outcomes through persuasive writing, public speaking and strategic negotiation. Credit cannot be earned in both HI 260 and HI 220. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HI223 - Europe's Age of Revolution. 1500 -1800

Course Overview

Description
This course traces Europe's path from medieval to modern by examining a series of political, intellectual, and technological revolutions between 1500 and 1800. Topics will include the Reformation, Scientific Revolution, Enlightenment, American and French Revolutions, and the Industrial Revolution, all discussed within the broader context of cultural change, social reform, and technological development. 3 Lecture hours. Restriction: Freshman 2 or higher or permission of the instructor. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI230 - Civil War Staff Ride

Course Overview

Description
Detailed examination of the nature of combat in the Civil War and how military commanders, enlisted men, and civilians at multiple levels dealt with the challenges posed by the nineteenth century battlefield. Through research into specific figures from the war and extended travel to major battlefields of the conflict, students will be exposed to the notions of battlefield tactics and combat leadership in the U.S. Civil War. 3 Lecture hours. Restriction: Freshman 2 or higher. Offered: Summer

Semester Credits

	Maximum Variable Credits:
3	-

HI235 - Military History I

Course Overview

Description
This course provides an examination of the major issues evident in the study of military affairs from the dawn of time to the present day. Using a modular approach, this course will explore the following topics: mobile warfare, urban warfare, child soldiers, war in the air, civilians in the path of war, women in war, and the unintended consequences of warfare. 3 Lecture hours. Restriction: Freshman 2 or higher or permission of the instructor. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI236 - Military History II

Course Overview

Description
This course provides an examination of the major issues evident in the study of military affairs from the dawn of time to the present day. Using a modular approach, this course will explore the following topics: the origins of war, total war, soldiers in war, military theory, insurgency and counter insurgency warfare, military revolutions, and static warfare. 3 Lecture hours. Restriction: Freshman 2 or higher. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI249 - Historical Methods

Course Overview

Description
Introduces the methods, techniques, and conventions of historical research and writing, including such skills as identifying, understanding, analyzing, and interpreting primary and secondary sources, compiling bibliographies, citing sources, and understanding historiography. There is also a career preparation component. 4 Lecture hours. Restriction: History major with Freshman 2 status or higher or permission of instructor. Offered: Fall

Semester Credits

	Maximum Variable Credits:
4	-

HI260 - Topics in History

Course Overview

Description
Selected topics in History. Restriction: Freshman 2 or higher or permission of the instructor. Course is repeatable under a different title.

Semester Credits

	Maximum Variable Credits:
3	-

HI262 - History of Baseball

Course Overview

Description
The course will utilize baseball as a focus for exploring major themes in American history since the 1840's, including race and gender, the law, foreign policy, popular culture, economics, literature, and player-owner relations. 3 Lecture hours. Restriction: Freshman 2 or higher or permission of the instructor. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
3	-

HI288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HI299 - Pilot course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	4

HI315 - Modern China

Course Overview

Description
A standard reading and lecture course, Modern China introduces students to the major processes shaping twentieth century Chinese history. The course emphasizes regional knowledge, historical research and analytical skills building. Major topics will include in all cases an overview of Chinese history since 1700 (late imperial and twentieth century modern China) with emphasis on political, social history and environmental developments. Other sub-topics in the course include, but are limited to, nation building/nationalism, gender issues, and border/Central Asia relations. 3 Lecture hours. Prerequisite: C or better in one 200 level history course. Offered: Annually

Semester Credits

	Maximum Variable Credits:
3	-

HI317 - Modern Japan

Course Overview

Description
A standard reading and lecture course, Modern Japan introduces students to the major processes of shaping twentieth century Japanese history. The course emphasizes regional knowledge, historical research and analytical skills building. Major topics will include in all cases an overview of Japanese history since 1868 (Tokugawa dissolution through the late twentieth century) with emphasis on political and economic history. Other sub-topics in the course include, but are not limited to, Japan-in-the-world (international relations), gender issues, ethnic relations and the environment. 3 Lecture hours. Prerequisite: C or better in one 200 level history course.

Semester Credits

Maximum Variable Credits:

3

-

HI321 - Reformation Europe

Course Overview

Description

The years immediately following the 1517 publication of Martin Luther's Ninety-Five Theses saw a sudden and unprecedented upheaval in European society. This course will examine the social, political, and spiritual context of late medieval Europe, then consider the implications of the Reformation for politics, gender and the modern world. Original sources in translation will form the basis for discussion, supplemented by lecture and secondary materials. 3 Lecture hours. Prerequisite: C or better in one 200 level history course.

Semester Credits

Maximum Variable Credits:

3

-

HI322 - Topics in Early Modern European History

Course Overview

Description

A reading and writing intensive course covering a specialized topic within the history of Early Modern Europe. Topics could include the Thirty Years War, Crime and Deviance, the Enlightenment, the French Revolution, or Persecution and Tolerance. Designed for Junior or higher history majors. Prerequisite: C or better in one 200 level history course or Permission of Instructor.

Semester Credits

Maximum Variable Credits:

3

-

HI326 - Nazi Germany and the Holocaust

Course Overview

Description

This course examines the political, military, cultural and social history of Germany during the period of Nazi rule, 1933-1945. Special attention is given to the sources of support for Nazism, the structure of the National Socialist state, the role of Adolf Hitler, and the Holocaust. 3 Lecture hours. Prerequisite: C or better in one 200 level history course. Offered: Every other year.

Semester Credits

Maximum Variable Credits:

3

-

HI328 - Colloquium in History

Course Overview

Description

A thematic, reading and writing intensive course, emphasizing historical research and analytical skills. Topics will vary by instructor. 3 Lecture hours. Course repeatable up to 2 times with a different topic/title. Prerequisite: 200-level History course. Offered: Fall, Spring.

Semester Credits

Maximum Variable Credits:

3

-

HI332 - The American Revolution

Course Overview

Description
A study of the separation of the 13 British colonies from the mother country and establishment of the United States as an independent nation in the period 1763-1789. 3 Lecture hours. Prerequisite: C or better in one 200 level history course. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

HI338 - U.S. Diplomatic History, 1776-1914

Course Overview

Description
A study of the foreign relations and foreign policies of the United States from the American Revolution up to the First World War. Topics include territorial expansion, the War of 1812, the Mexican-American War, the expansion of American trade, and the Spanish-American War. Credit cannot be earned in both HI 338 and HIST 411. 3 Lecture hours. Prerequisite: C or better in one 200 level history course. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

HI339 - U.S. Diplomatic History, 1914-present

Course Overview

Description
A study of the foreign relations and foreign policy of the United States from the First World War to the present. Topics include the two World Wars, the Cold War, the Korean War, the Vietnam War, and post-cold war policy. Credit cannot be earned in both HI 339 and HIST 412. 3 Lecture hours. Prerequisite: C or better in one 200 level history course. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

HI341 - U.S. Civil War Era, 1848-1877

Course Overview

Description
This course examines the causes of the American Civil War, the course of the conflict, and the subsequent period of reconstruction through 1877. 3 Lecture hours. Prerequisite: C or better in one 200 level history course. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

HI360 - Topics in U.S. History

Course Overview

Description
Selected topics in U.S. History. Permitted to be repeated thee times under a different topic. Permitted to be repeated three times under a different topic. Prerequisite: C or better in one 200 level history course.

Semester Credits

	Maximum Variable Credits:
3	-

HI361 - Topics in Modern European History

Course Overview

Description
Selected topics in Modern European History. Permitted to be repeated thee times under a different topic. Permitted to be repeated three times under a different topic. Prerequisite: C or better in one 200 level history course.

Semester Credits

	Maximum Variable Credits:
3	-

HI362 - Topics in Pre Modern History

Course Overview

Description
Selected topics in Pre-Modern History. Permitted to be repeated three times under a different topic. Prerequisite: C or better in one 200 level history course.

Semester Credits

	Maximum Variable Credits:
3	-

HI363 - Topics in Non-Western History

Course Overview

Description
Selected topics in Non-Western History. Permitted to be repeated three times under a different topic. Prerequisite: C or better in one 200 level history course.

Semester Credits

	Maximum Variable Credits:
3	-

HI372 - Military History of the United States I, 1775-1902

Course Overview

Description
This course will trace the evolution of American military power from the early days of frontier and revolutionary conflict to an era of American imperial ambition at the end of the nineteenth century. Particular attention will be given to strategic challenges of protecting/expanding the American state, the tactical innovations and failures of nineteenth century warfare, and the formulation of the civil-military relationship in American politics and society. 3 Lecture hours. Prerequisite: C or better in one 200 level history course. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

HI373 - Military History of the United States II, 1902-Present

Course Overview

Description
This course will explore the evolution of the American military from its days as a small frontier force at the turn of the twentieth century to its present status as a multi-tasking, global power. Specifically, this course will examine the struggle of American political and military leaders to work together in developing strategies and tactics capable of tackling the complex challenges of modern warfare. 3 Lecture hours. Prerequisite: C or better in one 200 level history course. Offered: Every other year.

Semester Credits

	Maximum Variable Credits:
3	-

HI381 - Thirty Years War

Course Overview

Description
Three decades of a devastating war, 1618-1648, claimed the lives of one-fourth of the population of central Europe and transformed the religious and political map of continents. The scale of the trauma, comparable to the World Wars and Holocaust of the 20th century, shaped the consciousness and subsequent development of European nations. This course will examine the revolutions in military technology and religious thought that fueled the conflict, study the events of the war as experienced by officers, soldiers, and civilians, and explore the lasting effects of the Treaty of Westphalia on the European state system. 3 Lecture hours. Prerequisite: C or higher in 200-level history course.

Semester Credits

	Maximum Variable Credits:
3	-

HI388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HI400 - Independent Study

Course Overview

Description
An opportunity for qualified upper-class students to engage in an intensive reading or research program in fields of interest not satisfactorily covered by regular course offerings. Periodic conferences will be required. Prerequisites: written consent of the instructor to a specific project presented by the applicant. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

HI404 - Capstone Seminar in History

Course Overview

Description
A research-focused course for advanced students, primarily for senior History or Studies in War and Peace majors. Each student conducts research on a significant historical question. The final product of the seminar is a polished research paper that demonstrates the student's ability to interpret primary sources and to place those interpretations in the context of previous scholarship on the question. Fields of history covered vary from semester to semester. 3 Lecture hours. Prerequisites: HI 303, HI 304, HI 319, HI 322, HI 340, HI 345 or HI 355, Grade of C or higher, and Permission of Instructor. Offered: Spring, Fall.

Semester Credits

	Maximum Variable Credits:
3	-

HI405 - History Internship

Course Overview

Description
Supervised experience at a museum, archives, historical society, or restoration project involving research or field work. Direct participation in such activities as the editing of manuscripts, the interpretation of artifacts, or the preservation of historic structures. Maximum 15 credits toward degree. Prerequisite: Permission of Department Chair. Typically, seniors only.

Semester Credits

	Maximum Variable Credits:
3	15

HI488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HI490 - Honors in History I

Course Overview

Description
First semester of a two semester sequence honors thesis project. The first semester is devoted primarily to research. Does not fulfill distribution requirement for major. Prerequisite: History or Studies of War and Piece major and Permission of Program Director and Department Chair.

Semester Credits

	Maximum Variable Credits:
3	-

HI491 - Honors in History II

Course Overview

Description
Second semester of a two semester sequence honors thesis project. The first semester is devoted primarily to research. Does not fulfill distribution requirement for major. Prerequisite: History or Studies of War and Peace major, grade of B or higher in HI 490, and permission of the program director and department chair.

Semester Credits

	Maximum Variable Credits:
3	-

HI513 - Introduction to Public History

Course Overview

Description
An intensive graduate-level seminar teaching the technical skills and knowledge to work in permanent institutions in the service of society and its development, which acquire, conserve, research, mediate, interpret, communicate, digitize, and/or exhibit the tangible and intangible heritage in ethical and professional ways for the purposes of education, study, and enjoyment of the public.

Semester Credits

	Maximum Variable Credits:
6	-

HI520 - American Colonial, Revolutionary and Early National History

Course Overview

Description
This seminar explores American history from the era of contact through the early nineteenth century. The seminar is organized on a thematic rather than chronologic basis. It introduces students to the main themes and historiography of the period. Discussions and readings will lead students to examine areas of early seventeenth through early nineteenth-century American history and historiography.

Semester Credits

	Maximum Variable Credits:
6	-

HI523 - Archival Studies

Course Overview

Description
An intensive seminar teaching the technical skills and knowledge needed to identify, select, protect, organize, describe, preserve, and make available archival materials to users. Attention is also paid to increasing responsibility to engage and educate the public, diversify the historical record and the profession, perform tasks in digital realm, advocate for the profession, and enhance the public good in ethical ways.

Semester Credits

	Maximum Variable Credits:
6	-

HI526 - Hunter-Gatherer and Agrarian Eras

Course Overview

Description
This seminar examines the development of human civilization from dawn of human civilization and the development of agriculture to the era of European discovery and colonization of the New World. In addition to examining the forces responsible for the development of human civilization in this period, major historiographic debates, historical themes and problems will be explored.

Semester Credits

	Maximum Variable Credits:
6	-

HI528 - Western Legal Tradition, 1000 CE-1789

Course Overview

Description
This course examines the origins, sources, and nature of the western legal tradition from the rediscovery of Roman Law in the 11th century CE to the Age of Revolutions in the late eighteenth century. Students survey the development of western legal traditions, including theories and practices of governance through political institutions, legislative bodies, and courts of law, as well as informal and formal arrangements between states and empires designed to mediate relations of war and peace. The course concludes with the transformation of the western rule of law into an international and global legal tradition that continues to shape national and international law within and beyond the United States and Europe in the twenty-first century.

Semester Credits

	Maximum Variable Credits:
6	-

HI530 - Nineteenth Century American History

Course Overview

Description
This seminar explores American history from the Early National period to the eve of the First World War. This seminar is organized on a thematic rather than chronologic basis. It introduces students to the major themes and historiographic debates of this period of U.S. history. Discussions and readings will lead students to examine areas of nineteenth-century American history and historiography.

Semester Credits

	Maximum Variable Credits:
6	-

HI533 - Museum Studies

Course Overview

Description
An intensive graduate-level seminar that teaches the skills and knowledge to prepare students for employment in museums or similar institutions. Students will learn and apply the principles of acquisition, research, interpretation, communication, digitization, and exhibition of artifacts in ethical, accurate, and professional ways for purposes of education, study, and enjoyment of the public in the United States and across the globe.

Semester Credits

	Maximum Variable Credits:
6	-

HI536 - The Late Agrarian Era to 1800

Course Overview

Description
This seminar examines the development of human civilization from the late agrarian era to the beginning of the industrial revolution. In addition to examining the forces responsible for the development of human civilization in the period 1500-1800, major historiographic debates, historical themes and problems will be explored.

Semester Credits

	Maximum Variable Credits:
6	-

HI538 - Race, Gender, and the U.S. Constitution

Course Overview

Description
This seminar explores the issues of race and gender in American legal and constitutional history from 1789 to the twenty-first century. Focusing on landmark Supreme Court decisions, this seminar provides a broad historical survey of the interactions between law, race, and gender in American society. The first several weeks explore the legal construction and regulation of questions and issues related to race and race relations. Then, the second half of the seminar explores how constitutional law has shaped gender relations and sexuality throughout American history.

Semester Credits

	Maximum Variable Credits:
6	-

HI540 - Twentieth Century American History

Course Overview

Description
This seminar explores American history from the turn of the twentieth century and focuses on both internal developments and a greater American role in global affairs. It introduces students to main themes and historiography of the period, including the struggle for equality at home for women, immigrants and minorities, increasing American involvement in foreign conflicts, social, political and economic developments, and the relationship with the natural and built environments. Discussions and readings will lead students to examine other areas of twentieth-century American history and historiography.

Semester Credits

	Maximum Variable Credits:
6	-

HI546 - World History from 1800 to 1991

Course Overview

Description
This seminar examines the development of human civilization from the beginning of the industrial revolution to the end of the Cold War. In addition to examining the major forces shaping world history in this period, major historiographic debates, historical themes and problems will be explored.

Semester Credits

	Maximum Variable Credits:
6	-

HI547 - Internship and Capstone Topic Selection

Course Overview

Description
The Topics course prepares a foundation before enrolling in the Internship and Capstone. The students work with the course director to secure an internship and settle on a capstone topic. This Topics Selection Course is the first steppingstone course in the successful completion of the Public History or MUA capstone. Prerequisites: Grade of B, or higher and, completion of 3 courses from: AD542, AD552, HI 513, HI 520, HI 523, HI 526, HI 528, HI 530, HI 533, HI 536, HI 538, HI 540, HI 546, MH 510, MH 520, MH 530, MH 540, MH 541, MH 550, MH 551, MH 552. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
0	-

HI548 - America's Wars and Constitutional Crises

Course Overview

Description
Examines the effects of the American Civil War, World War I, World War II and the Vietnam War on the American legal system, and the ways the American legal system influenced the prosecution and outcome of these wars on the domestic front. Some key examples include landmark decisions affecting racial minorities and women; war powers and the constitutionality of war to include wartime civil rights and conscientious objection, sedition, treason, military tribunals, the wartime justice system and the draft and outgrowths of the changing nature of post-war society such as substantive due process and the concept of privacy. Students develop deep understanding of how and why historical, historiographic, social, political and legal factors intertwined during these major American wars. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
6	-

HI549 - Capstone Topic Selection

Course Overview

Description
The Topics Selection course prepares a foundation before enrolling into the Capstone or Thesis. Students will select a topic, develop a tentative research question, and develop a bibliography of scholarly secondary sources as well as developing a brief list of appropriate primary sources, and discuss their availability. Requisites: Completion of 3 courses from: HI 513, HI 520, HI 523, HI 526, HI 528, HI 530, HI 533, HI 536, HI 538, HI 540, HI 546, MH 510, MH 520, MH 530, MH 540, MH 541, MH 550, MH 551, MH 553. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
0	-

HI550 - Directed Readings in History

Course Overview

Description
Designed to help students gain a detailed, graduate-level understanding of specific areas or topics in American or Global history and historiography that will prepare students for comprehensive examinations, capstone papers/theses, and teaching. Topics and readings are subject to the approval of the supervising faculty member and/or Program Director.

Semester Credits

	Maximum Variable Credits:
6	-

HI553 - Research and Planning Seminar

Course Overview

Description
Students in this graduate Public History seminar will identify a Capstone Project for HI 563 and start the researching and planning process for that Capstone. Depending upon their residential locations, interests, and personnel, and career goals, students will lay the foundations to undertake significant Capstone Projects while interning at museums, historical societies, archives, battlefields, libraries, government agencies, genealogical societies, or similar institutions. The research and planning assignments will give students the necessary historical and methodological foundations and prepare them to complete their Capstone Projects.

Semester Credits

	Maximum Variable Credits:
6	-

HI555 - Directed Reading

Course Overview

Description
Norwich requires a "Capstone Paper" that must be written and submitted during last seminar. The Capstone has all the elements of the traditional thesis, including a program-approved topic of the student's own choosing to be explored in depth and the use of appropriate academic sources. This course is only for returning students who already have a MMH or MAH degree from Norwich. Prerequisites: Grade of B or higher in 3 courses from: HI 513, HI 520 HI 523, HI 526, HI 528 HI 530, HI 533, HI 536, HI 538 HI 540, HI 546
MH 510, MH 520, MH 530, MH 540, MH 541, MH 550, MH 551, MH 552. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

HI563 - Internship and Capstone Project

Course Overview

Description
In this culminating graduate-level Public History seminar, students will complete their Capstone projects during a 400-hour Internship at a museum, historical society, archive, park, library, government agency, genealogical society, or similar institution. Working as interns under the supervision of qualified staff members, students will execute their plan and apply their research at institutions previously identified and approved during HI 553. The Capstone Projects will be of sufficient quality and substance that they could be displayed to the public, used by researchers, or mounted in online exhibits.

Semester Credits

	Maximum Variable Credits:
6	-

HI565 - Capstone

Course Overview

Description
Norwich requires a "Capstone Paper" that must be written and submitted during the last seminar. The Capstone has all the elements of the traditional thesis, including a program-approved topic of the student's own choosing to be explored in depth and the use of appropriate academic sources. Prerequisite: Grade of B or higher in HI 555. And, grade of B or higher in 3 of: HI 513, HI 520 HI 523, HI 526, HI 528 HI 530, HI 533, HI 536, HI 538 HI 540, HI 546, MH 510, MH 520, MH 530, MH 540, MH 541, MH 550, MH 551, MH 552 Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

HI568 - Capstone Curriculum Project

Course Overview

Description
Students design Capstone Curriculum Projects that include detailed lesson plans, homework assignments, classroom activities, and assessment tools commensurate with learning outcomes for primary or secondary education social studies classes. Their projects must entail research and writing using scholarly historical sources and teaching pedagogy sources. The completed Capstone Curriculum Projects must demonstrate mastery of the historical subject matter at the highest levels of Bloom's taxonomy, and they must comply with the National Social Studies Standards.

Semester Credits

	Maximum Variable Credits:
6	-

HI588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HIST188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HIST206 - American Naval History

Course Overview

Description
A survey of the history of the United States Navy within the framework of America's growth as a continental power and then a global power. The course content emphasizes the developments of naval technology, combat operations, and sailors' experiences. 3 Lecture hours. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

HIST210 - History of US Constitution

Course Overview

Description
A study of the political, economic, and social contexts of the creation of the Constitution and the significant amendments to it. Emphasis is on the role of the judicial branch in constitutional matters; the effects of social change in the 19th, 20th, and 21st centuries; and the impact of technology on contemporary constitutional issues.

Semester Credits

	Maximum Variable Credits:
3	-

HIST288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HIST310 - Historical Studies

Course Overview

Description
This is an overview of the historical development of political, cultural and economic behavior of institutions within a specific geographical context. Students will focus on a specific region, e.g., the Middle East, Latin America, Sub-Sahara Africa or Asia. Students will explore and develop an in-depth understand of the history of a region and the impact of that history on current events.

Semester Credits

	Maximum Variable Credits:
3	-

HIST348 - America's Wars as Constitutional Crises

Course Overview

Description
Examines the effects of the American Civil War, World War I, World War II, and the Vietnam War on the American legal system, and the ways the American legal system influenced the prosecution and outcome of these wars on the domestic front. Some key examples include landmark decisions affecting racial minorities and women; war powers and the constitutionality of war to include wartime civil rights and conscientious objection, sedition, treason, military tribunals, the wartime justice system, and the draft; and outgrowths of the changing nature of post-war society such as substantive due process and the concept of privacy. Students understand how and why historical, social, political, and legal factors intertwined during these major American wars.

Semester Credits

	Maximum Variable Credits:
3	-

HIST388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HIST402 - Israeli-Palestinian Conflict

Course Overview

Description
An engrossing exposure to the themes and complexities of the Israeli-Palestinian conflict. Its focus is historical and conceptual, requiring students to apply their learning through critical evaluation of contemporary events and conditions. Participants learn the history of conflict and grapple with recurring obstacles to peace, including practical issues of security as well as abstract issues of culture, identity, and religion. Students are required to view the conflict from both a national community perspective and to critically analyze different models for resolving the conflict.

Semester Credits

	Maximum Variable Credits:
3	-

HIST425 - American Foreign Policy 20th Century

Course Overview

Description
An understanding of the rise of America as a global power in the twentieth century. Topics include the strategic elements of American foreign policy in the Western Hemisphere, American neutrality and subsequent involvement in World War I and II, and challenges faced by the United States during and after the Cold War. Examines the diplomatic, political and military aspects that determined the foreign policy of the United States as it has participated in and shaped world history. Through discussions, readings and research assignments, students have the opportunity to think critically about the major foreign policy issues of the time period.

Semester Credits

	Maximum Variable Credits:
3	-

HIST430 - The Cold War Revisited: The Sullivan Seminar

Course Overview

Description
Students analyze the Cold War and its impact upon American and world history. Topics include: the diplomatic relationship between the United States and the Soviet Union; the various crises of the Cold War such as the Berlin Airlift and Cuban Missile Crisis; the efforts to end the Cold War made by various presidential administrations; and significant events in Russo-American relations over the last quarter century. The views and experiences of General Gordon R. Sullivan are added to the traditional historiography of the Cold War period. 3 Lecture hours per week. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

HIST488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HN101 - Introductory Honors Seminar

Course Overview

Description
A reading and writing intensive course, emphasizing development of creative, analytical, problem-solving and communication skills while challenging students to approach the topics discussed from an interdisciplinary perspective. Offered every semester. Prerequisites: Enrollment in Honors Program or Permission of Director of the Honors Program. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

HN188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HN288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HN301 - Honors Thesis Preparation: Research Proposal

Course Overview

Description
A reading and writing intensive course in which students will prepare for an implementation of the Honors Thesis/Project by working through the process of a research proposal development and writing. Prerequisites: Enrollment in the Honors Program and permission of the Director of the Honors Program. 3 Lecture hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

HN388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HN488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HUMA100 - Professional Pathways in the Liberal Arts

Course Overview

Description
This course is designed for liberal arts majors to explore and prepare for their postgraduation career options. Students will learn about and reflect on the kinds of skills cultivated by the choice of major, their individual strengths and interests, the kinds of jobs activities and careers that might complement these. Students also will investigate specific work environments, Corporations and non profits and visit workplaces where professionals are putting their liberal arts backgrounds to use. In addition students will learn about the role that internships, undergraduate research and networking play in career development and advancement and map out a plan for integrating professional development into their college careers. If taken previously as a topics course, no credit can be received. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

HUMA188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HUMA199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	-

HUMA223 - Topics Course

Course Overview

Description
Courses explore a specific topic related to human experience and promote interdisciplinary engagement, critical thinking, collaboration and creativity. Students participate in discussions, hands-on activities and research around the selected course theme. Assignments focus on developing critical thinking, writing, communication and research skills in an interdisciplinary setting to provide a well balanced and integrative academic experience. Courses are part of the Norwich Humanities Initiative and team taught by faculty in Humanities fields teamed with faculty outside of the Humanities. Course topics vary. 3 Lecture hours. Satisfies Goal 3. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

HUMA288 - No Norwich Equivalent

Course Overview

Description
This course is used to transfer when no equivalent Norwich course exits.

Semester Credits

	Maximum Variable Credits:
1	6

HUMA299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

HUMA388 - No Norwich Equivalent

Course Overview

Description
This course is used for tranfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

HUMA400 - Internship

Course Overview

Description
This course focuses on practical internship experience that applies the skills learned in humanities courses, specifically English and Communications. With assistance from the Career and Internship Center, students must find their own internship and provide their own transportation. Internships are subject to availability. This course is a requirement in the Communications and English major. If taken previously as a topics course, no credit can be received. Maximum of 6 credits. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	6

HUMA402 - Humanities Capstone

Course Overview

Description
Experience in conducting, practicing and communicating scholarship in a chosen field of study is integral to professional success. Students will examine significant issues at the forefront of theory and research in their chosen humanities fields and meet with a professional to identify a specific need or problem within that field that they want to address through independent research. They will then design and execute an advanced research project and deliver a public presentation to communicate their ideas to a broader audience. Designed to foster collaboration and engagement across humanities disciplines, this course invites students to use the research, writing and communications skills developed throughout their coursework to produce a culminating Capstone project. If taken previously as a topics course, no credit can be received. Prerequisites: Senior Status. English or Communications major or minor with Permission of Instructor. Offered: Spring.

Semester Credits

3

Maximum Variable Credits:
-

HUMA488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

IA188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

IA241 - Cyberlaw and Cybercrime

Course Overview

Description
This course includes extensive discussion of the legal constraints, both civil and criminal, that underlie acceptable behavior using computers and networks today. 3 Lecture hours. Cross-listed with CJ 341; not permitted to earn credit for both IA 241 and CJ 341. Prerequisite: Freshmen 2 or higher. Offered: Fall

Semester Credits

3

Maximum Variable Credits:
-

IA288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

IA340 - Introduction to Information Assurance

Course Overview

Description
Introduction to the foundations of information assurance with a focus on concepts and terminology used in describing, analyzing, and implementing information security. Topics include the history and mission of information assurance, history of computer crime, modern and historical cryptology, information warfare, penetrating computer systems and networks, malware, social engineering, spam, phishing, physical and facilities security, network security, identification and authentication, securing stored data, data backups and archives, patch management and protecting digital rights. Prerequisites: None.

Semester Credits

	Maximum Variable Credits:
3	-

IA342 - Management of Information Assurance

Course Overview

Description
A focus on management of the information assurance process. Topics include human factors in reducing security breaches, security incident detection and response, remediation, management's role in information assurance and other considerations in framing and implementing information assurance policies. The final section review current topics of particular interest and activity in the field of information assurance.
Prerequisites: Grade of D- or higher in IA340.

Semester Credits

	Maximum Variable Credits:
3	-

IA360 - Network Security

Course Overview

Description
This course focuses on the concepts, terminology and practice of network security. Topics include the fundamental goals of network security and practical applications of wired and wireless network security techniques such as applications of cryptology in network protocols, authentication, access control, network security devices such as firewalls and intrusion detection and prevention systems, incident response, log analysis, honeypots and honeynets. 3 Lecture hours. Prerequisite: CS 260, CS 140 grade of C or higher. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

IA388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

IA455 - Contemporary Issues in Information Assurance

Course Overview

Description
A capstone seminar for Computer Security and Information Assurance majors which will vary every term in accordance with the current issues of the time. Students work with the instructor as they explore today's issues and trends in preparation of a thesis or project. Emphasis is placed on critical thinking, research and evaluation of current issues. A comprehensive computer security exam is included in this course. 3 Lecture hours. Prerequisites: IA 340, IA 342, Computer Security & Information Assurance majors; Junior 2 or higher. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

IA456 - Cyber Defense Practicum

Course Overview

Description
This course provides practical application of the concepts learned over the course of the CSIA program. This is the technical capstone for the program and is a required course. The class is divided into three teams. Each team rotates through red (attack), blue (defend) and white (monitor/analyze) cells over the semester. Network attack analysis, intrusion detection systems and the use of network forensics in attaché analysis and defense are covered. Several open source and commercial tools during the class are used. Scenarios on a variation of the virtual network are ran. Blue teams harden the devices on the network to resist attack and are scored on how successful they are. Red teams develop a suite of attacks that allow completion of the scenario and are scored on the completeness of attack preparations. White teams analyze the red attacks and the blue responses and present analysis to the class at the close of the exercise. The scenario changes slightly for the iterations presented. 3 Lab hours. Prerequisites: IA 340, and IA 360 or DF 311. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

IA488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

IA499 - Pilot course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

ID199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	3

IN101 - Introduction to International Studies

Course Overview

Description
Drawing upon the major disciplines within the social sciences, this course provides a multidisciplinary understanding of the forces that shape and affect relationships among human communities. Among the topics considered are: Ethics and human rights, geography and spatial analysis, the role of culture, and the independent and combined effects of politics and economics. In addition, the course introduces students to the methods used to address the questions and problems with which the discipline is concerned. Open to IN and IB majors only.

Semester Credits

	Maximum Variable Credits:
3	-

IN188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

IN199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	3

IN288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

IN350 - Topics in International Studies

Course Overview

Description
Selected Topics in international studies to be used to cover subjects not included in the regular offerings. The course can be offered and taught by faculty in other disciplines upon prior approval of the History & Political Science Department Chair. The course seeks to enhance an appreciation for the multidisciplinary nature of international studies. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

IN388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

IN410 - Seminar in International Studies

Course Overview

Description
This capstone course is a reading and writing intensive course designed to introduce students to graduate level work in International Studies. Seminar topics will be determined by the instructor. Prerequisite: Senior standing or Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

IN488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

INDE490 - Selected Topics

Course Overview

Description
Students will study a specific topic of interest under the direction of a faculty member. Pre-requisites: To be determined on an individual basis.

Semester Credits

Maximum Variable Credits:

0

6

INSC188 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

INSC288 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

INSC313 - Global Security and Intelligence

Course Overview

Description

Students examine a range of contemporary international issues from questions of realism versus idealism in foreign affairs to changes in the nation-state, the rise and influence of member states in the Pacific Rim, and overall global security objectives all through a historical lens. Students explore the uses of strategic intelligence by world leaders in shaping policy and the effects of strategic intelligence on world events. Students closely follow international developments and learn how to discuss them objectively and analytically. Areas of emphasis include science, technology, and globalization as the environment in which concepts of international security evolve and change over time.

Semester Credits

Maximum Variable Credits:

3

-

INSC320 - Intelligence Management

Course Overview

Description

Students develop their skills in developing and analyzing intelligence. They learn how to collaborate with public and governmental agencies to share intelligence that is critically important to improving public safety and security.

Semester Credits

Maximum Variable Credits:

3

-

INSC388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

INSC488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

INTD188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

INTD200 - The Partridge Seminar

Course Overview

Description
A study of the Norwich University history, mission, and guiding principles that allows students to develop skills in information literacy, the writing of a research paper, and scholarly ethics. Students explore concepts such as leadership, community service, and citizenship in order to practice skills that are both embedded in the educational vision of Alden Partridge, Norwich's founder, and that are essential to succeeding success in college and the workplace today. 3 Lecture hours. Offered: Fall, Spring, Summer

Semester Credits

	Maximum Variable Credits:
3	-

INTD288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

INTD300 - Topics in INTD Studies

Course Overview

Description
Select topics offered in Interdisciplinary Studies. This open-topic course allows for innovation and experimentation in interdisciplinary courses, especially courses offered internationally. Examples include: Privacy and Security in Cold War Berlin; History and Politics of Imperial Prussia; Migration and Refugees; Politics and Capitalism after the Cold War. The topics will cross traditional disciplinary boundaries in history, political science, anthropology, sociology, business, psychology, or other social sciences. Topics will be chosen based on the expertise of instructors and the interests of students. The course may be repeated up to three times when under a different title.

Semester Credits

	Maximum Variable Credits:
3	-

INTD301 - Structures of Power

Course Overview

Description
This course explores the interactions, conflicts, and negotiations between institutions of power and the people who live under them. Students study key philosophical and sociological thinkers then consider how theories compare to the lived experiences of Berliners and the physical space of the city. Students are encouraged to think critically about social relations, dynamics of production and exchange, and uses of urban space. Themes may include the politics of life and death, migration, racism, creative class, temporary uses of space, housing, gentrification, and urban management. A student with credit in PO 300: Berlin: Structures of Power or HI 361: Structures and Power cannot also earn credit for INTD 301.

Semester Credits

	Maximum Variable Credits:
3	-

INTD303 - Berlin Making the Modern City

Course Overview

Description
This course uses the physical spaces, architecture, monuments, and museums of Berlin to explore the history, politics, sociology, and culture of the city. It is designed as an “excursion” class: students prepare with shared readings, then go out into the city to experience these places in person. Students become familiar with parts of the city and comfortable with urban environments while they discover the essential and unique cultural, historical, and political aspects of life in modern Berlin. A student with credit in HI 361 or FA 250: Making the Modern City cannot also earn credit for INTD 303.

Semester Credits

	Maximum Variable Credits:
3	-

INTD310 - Epistemology and Critical Thinking

Course Overview

Description
Students are introduced to both historical and contemporary theories of knowledge acquisition and validation. Topics covered include: empiricist vs. rationalist epistemologies; the epistemological basis of the scientific method; the interface between epistemology and neuroscience; informal logic and logical fallacies; and bias. Prerequisite: Permission of the Program Manager.

Semester Credits

	Maximum Variable Credits:
6	-

INTD360 - Berlin 1933-1945 Tracing Nazi History

Course Overview

Description
This course will explore the broad range of debates about Nazi Germany and the nature and origin of the Holocaust, drawing from a range of disciplines, including history, philosophy and genocide studies. Visits to different Holocaust-related sites in Berlin will provide deeper insights into how cultural memory of the Nazi era shapes contemporary Germany and specifically, the city that Berlin is today. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

INTD388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

INTD400 - Capstone

Course Overview

Description
This course is the culminating academic activity for BIS students in which they create a portfolio of previous work that demonstrates mastery of the program outcomes. They also propose, develop, and deliver a final substantive project that combines the general knowledge acquired in the core curriculum with the specific knowledge of the concentration. The final project requires students to draw upon at least two different academic disciplines for research methodology, seminal literature and sources, and intellectual frameworks to bring an interdisciplinary perspective to the subject. The capstone course may not be fulfilled through transfer credit. Prerequisite: Permission of the Program Manager.

Semester Credits

	Maximum Variable Credits:
6	-

INTD488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

IR188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

IR288 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

IR388 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

IR488 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

IR510 - World Politics Intl Relations

Course Overview

Description

This course explores the dominant theories of international relations, and main trends in world politics. It addresses seminar changes in modern international politics, and theoretical assumptions and world views in international relations. It surveys the evolution of the discipline and its various branches.

Semester Credits

Maximum Variable Credits:

6

-

IR520 - American Foreign Policy

Course Overview

Description
Encompasses the period from the late 19th century to the present and reviews critical cases in the history of US foreign relations. Students examine US government actions in international affairs through various methodological contexts in foreign policy development and implementation. Explanations are drawn from history, international relations theory, and area studies. Special emphasis is placed on post-Cold War developments in foreign relations in America, especially focusing on the use of force, application of coercive diplomacy and the impact of global issues on US foreign policy.

Semester Credits

	Maximum Variable Credits:
6	-

IR530 - International Security

Course Overview

Description
This graduate level course surveys some of the major debates and topics in international security. It is designed to give students an understanding of the most important substantive areas in the field of International Security and to tie academic research on security-related issues to policy. The course will examine both traditional understandings of and approaches to international security. New actors and issues considered relevant since the end of the Cold War will be discussed. The tension between the relative importance of traditional approaches to security, interstate relations, and the relevance or impact of less immediate but important influences such as human security and climate change will also be examined.

Semester Credits

	Maximum Variable Credits:
6	-

IR531 - National Security

Course Overview

Description
This course examines security threats to the United States, institutions and policies to address them, and various methods and instruments available to policy-makers and practitioners to avoid, manage, mitigate, and resolve major security threats and events. The focus is on man-made threats, but natural disasters are addressed as well. The course material and exercises take into account the networked nature of America's critical infrastructure.

Semester Credits

	Maximum Variable Credits:
6	-

IR541 - Intel & Natl Security Policy

Course Overview

Description
Intelligence plays a key role in US national security. This course provides the history, structure, roles, and responsibility of the intelligence community and the relationship between intelligence and senior policy makers, including Congress and the President. It also explains intelligence as a discipline including collection and analysis as well how oversight and accountability are applied to intelligence activities. This course challenges students to evaluate and analyze the effectiveness of the intelligence community and its products against changing threats to the United States.

Semester Credits

	Maximum Variable Credits:
6	-

IR543 - PoliEconomy of IntDevelopment

Course Overview

Description
This seminar endeavors to understand the process of facilitating development as encompassing a complex set of social, economic, political, cultural and institutional transformations. The seminar aims to introduce students to the wide range of theories about development that inform issues such as the economic effects of different growth strategies, the difficulties of foreign aid as well as the role of markets, states and civil society. Specifically, we will study questions such as: How important are political institutions to economic development and what role do they play? How does economics affect political institutions and government policies? Why do inefficient and/or harmful institutions survive? Highlighted will be the interplay of theories and histories of various forms of development to provide a graduate level of introduction to the political economy of development in a theoretical, historical, and comparative perspective.

Semester Credits

	Maximum Variable Credits:
6	-

IR549 - Regions of the World

Course Overview

Description
Covers the overarching themes of the region's political culture and institutions, the economy, regional and national identities and international relations. It examines the decisive social, cultural, economic and political issues defining the world region in question in its own historical and geographic context. The concepts, theoretical approaches and methodology for analysis are selected individually for each region to better address its unique features and characteristics.

Semester Credits

	Maximum Variable Credits:
6	-

IR553 - Capital and international Development

Course Overview

Description
The course explores the relationship between capital and institutions of human society. It explains what capital is and how it works, and addresses unequal economic development among global regions, the role of international aid, conditions of global poverty, and debates about better international development policies.

Semester Credits

	Maximum Variable Credits:
6	-

IR555 - Field Exam

Course Overview

Description
The International Relations Field Exam is a necessary part of the Master of Arts program in International Relations. Its successful completion is required to graduate from the program. The exam is based on the current taught seminars of the program.

Semester Credits

	Maximum Variable Credits:
0	-

IR588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

IR590 - Masters Research Paper I

Course Overview

Description
This research seminar provides students the opportunity to research issues, trends, theories or events in international relations of their own choice. Each student researches individualized topic and prepares a written major paper that offers a practical or theoretical perspective on interstate, regional or national security question of international importance. The students are expected to synthesize knowledge acquired in the previous seminars of the program. Students are required to exhibit in-depth critical thinking, analysis, and effective writing skills. Graded as Satisfactory or Unsatisfactory.

Semester Credits

6

Maximum Variable Credits:
-

IR591 - Masters Research Paper Conclusion and Examination

Course Overview

Description
Students enrolled in the Master's Research Paper seminar will conclude their research projects. Once ready, their research project will be evaluated in written and/or oral examination. Students will make necessary changes, updates, and revisions to their final research paper, and will submit the final copy of their manuscript to the university. Graded as Satisfactory or Unsatisfactory.

Semester Credits

3

Maximum Variable Credits:
-

IS502 - Data Analytics Methods

Course Overview

Description
Collect, describe, and analyze data, using advanced statistical tools to make and support decisions on operations, risk management, finance, marketing, etc. An analysis is done targeting economic and financial decisions in complex systems that involve multiple partners. The results of the data analysis will then be organized to demonstrate significance to the business decision-making process and to improve business outcomes. Topics include probability, statistics, hypothesis testing, regression, clustering, decision trees, forecasting, data mining to improve business decision-making. Offered: Occasionally.

Semester Credits

3

Maximum Variable Credits:
-

IS520 - Predictive Analytical Models

Course Overview

Description
Students examine predictive analytics that help decision makers evaluate possible various scenarios based upon historical data predictors such as revenues, profits, market share, the probability of making a sale, and the probability of losing a client. Students are introduced to predictive modeling methods, approaches, and tools. Students develop and use advanced predictive analytics methods. Using these methods, students gain expertise in the use of popular tools and software for predictive analytics; learn how to develop predictive analytics questions; identify the most appropriate predictive analytics methods and tools, and apply these methods to answer the respective questions and present data-driven solutions. Prerequisite: IS 502.

Semester Credits

3

Maximum Variable Credits:
-

IWAR188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

IWAR288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

IWAR320 - Social Media Based Influence Operations

Course Overview

Description
Introduction to research practices and analytical methodologies for critically assessing social media-based influence operations. Students will receive hands-on training on the fundamentals of Open-Source Intelligence for collecting data, conducting analysis and producing reports on digital threat actors. Credit can be earned in one of CS320 or IWAR 320. 3 Lecture hours. Offered: Fall.

Semester Credits

3

Maximum Variable Credits:
-

IWAR325 - Information Warfare-Cyberspace Operations

Course Overview

Description
An introduction to cyberspace operations. In this course students will review development and employment of cyberspace operations capabilities in the United States. Topics include: National strategy, U.S. Cyber Command formation, structure, function, operational planning, joint doctrine, effects based operations, mission planning and tactics/techniques/procedures. 3 Lecture hours. Offered: Spring.

Semester Credits

3

Maximum Variable Credits:
-

IWAR328 - Information Warfare and Threat Analysis

Course Overview

Description
An introduction to the information warfare problem set through experiential learning modules exposing them to the information tactics and strategies of state and non-state US adversaries. In a series of simulated practical exercises student will learn to think critically about how information warfare poses a unique challenge to a democratic nation and to equip them with a deliberate analytical process to better understand and anticipate an adversary's information capabilities and likely courses of action to employ those capabilities against a friendly force. Credit can be earned in one of CS328 or IWAR 328. 3 Lecture hours. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

IWAR388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

IWAR488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

IWAR505 - Information Warfare: Theory and Practice

Course Overview

Description
Provides a graduate-level foundation in Information Warfare (IW). Content explores the concept from various national perspectives, its historical evolution, and current threats posed by state and non-state actors. The course covers information warfare principles, historical examples, and the role of cyber-enabled capabilities, including artificial intelligence (AI) and foreign malign influence. Students will critically analyze the information warfare capabilities of Russia, China, Iran, South Korea, and violent extremist organizations, as well as the strategic implications for the United States.

Semester Credits

	Maximum Variable Credits:
6	-

IWAR510 - Information Warfare and Threat Analysis

Course Overview

Description
Provides a comprehensive understanding about the weaponization and exploitation of information in contemporary global societies. Students assemble preliminary knowledge in historical case studies of information and its use in past competition and conflict. Use of 21st century technologies to deliver information warfare effects are compiled in-depth while leveraging a combination of learning methods to be able to construct and profile adversarial influence strategy, tactics, and infrastructure. Analysis and identification of an entities vulnerabilities to influence operations and development of mitigation strategies. Threatcasting methodology is employed to predict future adversarial threat capabilities and tactics. An experiential learning exercise is produced for an influence campaign based on a selected threat actor and target in a future year.

Semester Credits

	Maximum Variable Credits:
6	-

IWAR588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

LEAD101 - Norwich Principles of Leadership Mastery

Course Overview

Description
This course addresses the foundational aspects of leadership in developing collaborative relationships within organizations. The topics covered will include: defining and understanding leadership, the examination of personal leadership mastery, development of interpersonal relationships and effective teams, and how to effectively adapt one's personal capacity for leading today.

Semester Credits

	Maximum Variable Credits:
1	-

LEAD111 - Foundations of Leadership

Course Overview

Description
Introducing the theoretical foundations of leadership, students will improve and apply leadership skills in their personal and professional lives. Topics include the history philosophy and psychology of leadership as well as leadership sociology. Students will be expected to understand and analyze various leadership cases and their impacts on society and the professional world. Grade of C or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

LEAD199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	6

LEAD201 - Principles of Leadership

Course Overview

Description
This course is designed to introduce students to the principles of effective leadership and to help them synthesize theory with real-world leadership applications. Topics will include changes in leadership theories throughout history, the future leadership, leadership competencies for 21st century, leading change, inspiring others and working collaboratively. Students will be expected to analyze cases, current events and their own leadership principles. Prerequisite: LEAD 111. Grade of C or higher. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

LEAD202 - Theories and Models of Leadership

Course Overview

Description
Offering an introduction to leadership theories and models, students will discuss, examine and apply current leadership theories and models to better understand leadership behaviors, attitudes and practices. They will also analyze various real-world leadership cases and issues to apply their theoretical knowledge to local and global leadership topics. GE 8. Grade of C or higher. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD211 - Authentic Leadership

Course Overview

Description
Analyzing how to lead inclusively, students will investigate how leaders effectively negotiate cultural difference in the military, public and private sectors. Students will analyze the impact of diversity on leadership, a key component of successful leadership in today's multicultural workplace. Prerequisite: LEAD 111. Grade of C or higher. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD212 - Strategic Leadership

Course Overview

Description
Through a blend of theoretical frameworks and practical applications, student will explore key aspects of strategic thinking, decision-making and leadership dynamics. Topics include strategic planning, organizational change, ethical leadership, innovation and global leadership challenges. Students will also focus on the development of problem solving abilities and the capacity to motivate teams to achieve strategic goals. Prerequisite: LEAD 111. Grade of C or higher. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

LEAD299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	6

LEAD301 - Leading Cultural Competencies

Course Overview

Description
Students will explore theories and practices to strengthen their skills as culturally competent leaders and gain an understanding of the role of cultural competence in an efficient and thriving work environment. Through the practical application of these methods and theories, students will learn how to create stronger organizational structures, improve communication and increase collaboration in the workplace. Prerequisite: LEAD 201 or LEAD 202. Grade of C or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD302 - Leading as Engaged Citizens

Course Overview

Description
Students will strengthen their understanding of ethics and leadership while analyzing community-based leadership theories through real-life applications including business case studies. Prerequisite: LEAD 201 or LEAD 202. Grade of C or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD311 - Global Leadership

Course Overview

Description
Students will gain theoretical knowledge and practical skills for leading in international work environments by gaining an understanding of how leadership is practiced in different countries and what common leadership challenges exist. Prerequisite: LEAD 201 or LEAD 202. Grade of C or higher. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD312 - Leading High Performance Teams

Course Overview

Description
In this course students will learn relational leadership theory and team coaching through the lenses of philosophy, sociology, psychology and business. Through study of team coaching students will gain a general understanding of the role of team in the professional world. Grade of C or higher. Prerequisite: LEAD 201 or LEAD 202. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

LEAD401 - Leadership Internship

Course Overview

Description
Through completion of an internship, students will gain leadership skills and experience by taking on leadership roles and responsibilities in public, private, military, or non-profit organizations. Permission of Program Chair. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	12

LEAD402 - Leadership Capstone

Course Overview

Description
A culminating experience for students pursuing a major in leadership or related fields, students will integrate and apply the knowledge, skills and theories acquired throughout the leadership program. Completing a comprehensive project which includes a public presentation, students will identify a significant leadership issue, conduct thorough research and develop strategic solutions. The project will require collaboration with peers, industry professionals and/or faculty advisors resulting in an interdisciplinary and practical learning experience. GE 7. Prerequisite: Senior standing or permission of Program Chair. Grade of C or higher. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

LEAD488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
0	6

MA005 - Preparatory Mathematics

Course Overview

Description
A comprehensive review of the fundamentals of arithmetic and a presentation of the basic algebraic skills and concepts. Topics include basic arithmetic with signed numbers, proportions, percent, geometry, linear equations and graphing of linear equations. Applications are included throughout the course. MA005 must be completed before enrolling into higher-level mathematics course and completed by the end of the first year of study. This course will not meet degree requirements including elective credits. 3 Lecture hours. Prerequisite: Placement into MA005. MATO 0.

Semester Credits

	Maximum Variable Credits:
3	-

MA095 - Intermediate Algebra

Course Overview

Description
A comprehensive review of the fundamentals of algebraic skills and concepts, this course provides a strong foundation for subsequent mathematics-based courses. Topics include introduction to functions, polynomials, factoring, inequalities, systems of linear equations with two variables, integer exponents, and linear, quadratic, radical, and rational equations. This course will not meet degree requirements including elective credits. 3 Lecture hours. Prerequisite: Grade of C or higher in MA 005, or Placement into MA 095 or MATO1.

Semester Credits

	Maximum Variable Credits:
3	-

MA101 - Mathematics: A Liberal Art I

Course Overview

Description
An investigation of mathematical concepts and methods with emphasis given to their impact on current and ancient problems. Topics include logic, counting problems, probability, geometry and mathematics of finance. Emphasis is on techniques of problem solving. Prerequisite: MA 005 or through Math Placement. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MA102 - Mathematics: A Liberal Art

Course Overview

Description
An investigation of mathematical concepts and methods with emphasis given to their impact on current and ancient problems. Topics include mathematics of voting systems, basic graph theory including Euler circuits and the traveling salesman problem, the mathematics of population growth, statistics, and finding fair shares. Emphasis is on techniques of problem solving. Prerequisite: MA 005 or Placement into MA 095 or MATO 1. Not open to a student with a grade of C or higher in MA 107, or higher except MA 160 and MA 161. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

MA107 - Precalculus Mathematics

Course Overview

Description
A course on topics in precalculus mathematics involving algebra and trigonometry designed to prepare students to progress into introductory calculus. It is a rapid development of elementary topics in algebra to linear, quadratic, logarithmic, and exponential functions, followed by an analytical treatment of trigonometry. Prerequisite: Grade of C or better in MA 095; or Placement into, or higher, MA 107 or 232 or MATO 2. Not open to a student with a grade of C or higher in MA 108, or higher except MA 160 and MA 161.

Semester Credits

	Maximum Variable Credits:
0	4

MA108 - Applied Calculus

Course Overview

Description
A course on topics in analytical geometry progressing to differential and integral calculus. Presentation of a wide variety of practical application to technology, business, and science. Cannot earn credit for both MA 108 and MA 121. Prerequisite: MA 107 or Placement into MA 108 or MA 121 or MATO 3. Credit cannot be earned in both MA 108 and MA 121. Not open to students with credit in MA 121 or higher, except MA 160, MA 161, MA 212, MA 220, or MA 240.

Semester Credits

	Maximum Variable Credits:
4	-

MA119 - Precalculus Supplement for Calculus I

Course Overview

Description
This course serves as a support course to be paired with MA 121, Calculus I for a corequisite implementation of precalculus and calculus. This course covers topics of precalculus mathematics, as a needed, to understand topics of calculus. The course is a rapid development of algebraic functions linear, quadratic, polynomial, rational and root functions. An analytical treatment of logarithmic and exponential functions followed by trigonometry. Prerequisite: Math placement in MA 107 or MATO 2. Corequisite: MA 121. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
2	-

MA121 - Calculus I

Course Overview

Description
An introduction to plane analytic geometry and to differential and integral calculus. Credit cannot be earned in both MA 108 and MA 121. Prerequisite: Grade of C or better in MA 107, or Placement into MA 108 or 121 or MATO 3.

Semester Credits

	Maximum Variable Credits:
0	4

MA122 - Calculus II

Course Overview

Description
A continuation of MA 121. Transcendental functions, methods of integration, vectors, polar coordinates, indeterminate forms, L'Hopital's Rule, improper integrals, infinite sequences and series. Prerequisite: Grade of C or higher in either MA 121 or MA 108.

Semester Credits

	Maximum Variable Credits:
4	-

MA160 - Mathematics for Elementary School Teachers I

Course Overview

Description
This course will address an advanced perspective of topics in algebra and the real number system as they relate to the teaching and learning of mathematics. Course structure involves an emphasis on problem solving and communication; making, following and assessing mathematical argument; and developing an array of mathematical strategies and understandings which can be extended across K-6 mathematic. 3 Lecture hours. Prerequisite: Education Major, MA 005 or Placement into MA 095 or MATO 1. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

MA161 - Mathematics for Elementary School Teachers II

Course Overview

Description
This course will address an advanced perspective of topics in geometry, measurement, statistics, data analysis, and probability as they relate to the teaching and learning of mathematics. Course structure involves an emphasis on problem solving and communication; making, following and assessing mathematical argument; and developing an array of mathematical strategies and understandings which can be extended across K-6 mathematics. 3 Lecture hours. Prerequisite: Grade of C or higher in MA 160. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
3	-

MA188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MA212 - Finite Mathematics

Course Overview

Description
This course includes linear algebra with applications to systems of equations, linear programming, math of finance, sets, combinatorial analysis, and probability theory. Prerequisite: MA 107 or Placement into MA 108, or higher or MATO 3. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

MA220 - Geometry in Action

Course Overview

Description
This course explores the use of geometry in art, architecture, and science through the study and application of associated mathematical ideas. Students will learn to represent objects and space in various coordinate systems and geometries as well as recognize mathematics in the surrounding world. Topics include two and three dimensional linear algebra, polar and parametric equations, graph theory, sequences, and Euclidean and Non-Euclidean geometry. Prerequisite: MA 107 or Permission of Department Chair.

Semester Credits

	Maximum Variable Credits:
3	-

MA223 - Calculus III

Course Overview

Description
A course that continues MA 122. Topics include multiple integration, solid analytic geometry, partial differentiation, two- and three- dimensional vector analysis. Prerequisite: MA 122. Offered: Fall

Semester Credits

Maximum Variable Credits:

4

-

MA224 - Differential Equations

Course Overview

Description

Ordinary differential equations are developed as models of physical phenomena. Differential equations are investigated by finding exact solutions and using computer software to determine the solution to linear and non-linear problems. Solution techniques include operator methods, Laplace transforms, and numerical methods. Prerequisite: MA 122. Offered: Spring

Semester Credits

Maximum Variable Credits:

0

4

MA232 - Elementary Statistics

Course Overview

Description

A course that covers the study of frequency distributions, averages and standard deviations, normal curve, probability, decision-making, sampling techniques, testing hypotheses, students-t -distributions, correlation and linear regression. Credit cannot be earned in both MA 232 and in MATH 232. MA 232 or MATH 232 cannot be taken when credit has been earned in MA 311. Prerequisite: A college level mathematics course, or Placement in MA 107 or MA 232, C- or higher in MA 095, or test score of MATO 2 or MATO 3.

Semester Credits

Maximum Variable Credits:

3

-

MA240 - Introduction to Number Theory and Cryptology

Course Overview

Description

An introduction to fundamental topics in number theory, including the real number system, prime numbers, modular arithmetic, the Euclidean Algorithm, Fermat's Theorem, Euler's Theorem, Euler's Phi Function. Topics will be applied to Caesar and affine ciphers and the Chinese Remainder Theorem. Prerequisite: D- or higher in one of: MA 107 or MA 108 or MA 121. Offered: Fall

Semester Credits

Maximum Variable Credits:

3

-

MA241 - Mathematical Computation and Modeling

Course Overview

Description

A course designed to introduce effective problem solving strategies and modeling techniques to find solutions to complex and often ill-defined problems. Introductory material chosen from common experiences encompassing many academic disciplines. Emphasis is placed on the development of mathematical models and computation on a variety of computing platforms and programming environments. Prerequisite: MA 108 or MA 121. Offered: Spring

Semester Credits

Maximum Variable Credits:

3

-

MA250 - Communication in Mathematics

Course Overview

Description
This course illustrates the organization of the mathematical literature, the efficient search of the literature and a formal introduction to writing mathematics. Prerequisite: Mathematics Major, Sophomore status or higher.

Semester Credits

	Maximum Variable Credits:
1	-

MA288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MA299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	4

MA303 - Advanced Calculus I

Course Overview

Description
A course that provides an extension of concepts of basic calculus to functions of several variables to include limits, continuity, differentiation, and Riemann integration. Treatment of selected topics not included in the basic calculus series as a foundation for more advanced courses in analysis and applied mathematics is also included. 3 Lecture hours. Prerequisite: MA 223, MA 306. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
3	-

MA304 - Advanced Calculus II

Course Overview

Description
A course that continues with the content of MA 303, including limits, continuity, differentiation, and Riemann integration. Treatment of selected topics not included in the basic calculus series as a foundation for more advanced courses in analysis and applied mathematics is also included. Prerequisite: MA 303. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

MA306 - Discrete Mathematics

Course Overview

Description
A course in logic, sets, techniques of proof, relations and functions, directed and undirected graphs, algebraic systems, Boolean algebra, and emphasis on applications in various areas of computer science. Prerequisite: MA 108 or MA 121 and knowledge of computer programming. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

MA308 - Modern Geometry

Course Overview

Description
A course in modern geometries that includes foundations of Euclidean geometry and the development of non-Euclidean geometries. Recommended for prospective teachers. 3 Lecture hours. Prerequisite: MA 108 or MA 121. Offered: Spring and every third year.

Semester Credits

	Maximum Variable Credits:
3	-

MA309 - Algebraic Structures

Course Overview

Description
A course on groups, rings, fields, morphisms, vector spaces; special topics selected from group theory, algebraic number theory, field theory, Galois theory. 3 Lecture hours. Prerequisite: MA 306 or permission of the instructor. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

MA310 - Linear Algebra

Course Overview

Description
A theoretical course on such topics as matrices, determinants, linear equations, vector spaces, bases and dimensions, linear transformations, eigenvalues, and eigenvectors. Prerequisite: MA 108 or MA 121 or Permission of Instructor. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

MA311 - Statistical Methodology

Course Overview

Description
Statistical Methodology: A course designed to provide a firm foundation for the employment of statistical methodology in engineering and the sciences. Examples drawn from the technical fields will be used throughout. The course will cover probability, continuous and discrete statistical distributions, estimation, tests of hypotheses, and sample regression. As time permits, other topics may be examined based on the interests of the students. 3 Lecture hours. Prerequisite: MA 223. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

MA312 - Statistical Methodology II

Course Overview

Description
Statistical Methodology II: A continuation of MA 311. Continued development of statistical techniques utilized in scientific and engineering research. Topics to be covered include regression, multiple regression, analysis of variance, experimental design, statistical quality control, time series/forecasting, and reliability analysis. 3 Lecture hours. Prerequisite: MA 311. Offered: Spring, even years

Semester Credits

	Maximum Variable Credits:
3	-

MA318 - Cryptology

Course Overview

Description
Fundamental mathematical concepts from modern algebra, number theory, and other areas of mathematics. Provides a foundation for the understanding of classical encryption systems and modern encryption methods. Emphasis on the mathematical underpinnings germane to cryptology. Prepares students for advanced study of modern cryptography. Experience implementing encryption, decryption and cryptanalytic methods on a variety of systems. 3 Lecture hours. Prerequisite: D- or higher in: MA 240 or MA 421. May be taken concurrently with MA 421. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MA321 - Financial Mathematics

Course Overview

Description
A course designed to extend the understanding of fundamental concepts of financial mathematics, and application of these concepts in calculating present and accumulated values for various streams of cash flows as a basis for future use in reserving, valuation, pricing, asset/liability management, investment income, capital budgeting and valuing contingent cash flows. 3 Lecture hours. Prerequisites: MA 223 or MA 212. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

MA332 - Advanced Statistical Methods

Course Overview

Description
A course designed to provide a firm foundation for the employment of statistical methodology in data science. Examples drawn from data science will be used throughout. The course will cover descriptive statistics, probability, continuous and discrete statistical distributions, regression, multiple regression, maximum likelihood estimate, logistic regression and the likelihood ratio test. Not open to students with credit for MA311, MA312. Prerequisite: MA306. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

MA360 - Teaching Mathematics at the Elementary - Middle School Level

Course Overview

Description
A course in the content, methods, and materials for the teaching of elementary and middle school mathematics. 3 Lecture hours. Prerequisites: Grade of C or higher in MA 161. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
3	-

MA361 - Teaching Mathematics at the Secondary Level

Course Overview

Description
This course addresses methods, resources, and content useful for the teaching of secondary school mathematics. Investigations in this class will address mathematical thinking, communication and representations, in alignment with state and national standards. Course structure involves readings, writings, activities, assessments, and projects. 3 Lecture hours. Prerequisites: MA 108 or MA 121 and ED 104. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

MA370 - Introduction to Operations Research

Course Overview

Description
A course that concentrates on the fundamental concepts and techniques necessary to enable an individual to obtain optimal solutions to problems in business, economics, engineering, and the physical and behavioral sciences. Topics include linear programming, network analysis, dynamic programming. 3 Lecture hours. Prerequisites: MA 212 or MA 223. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

MA380 - Theory of Computation

Course Overview

Description
This course introduces the theory of computability, including important results from the study of automata and formal languages. Includes introductory material about the theory of directed graphs and trees. A discussion of automata and their relationship to regular, context free and context-sensitive languages. General theories of computability, including Turing machines, and recursive functions. Further topics include decidability, undecidability and computational complexity. 3 Lecture hours. Prerequisite: MA 306. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
3	-

MA388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MA390 - Numerical Linear Algebra and Analysis

Course Overview

Description
Numerical techniques for solving problems in linear algebra and analysis. Topics to be studied include integration, interpolation, function approximation, solutions of systems of equations, locating Eigen values. Attention will be paid to the theoretical aspects of the techniques, with particular emphasis on estimation of errors and on convergence properties of iterative techniques. 3 Lecture hours. Prerequisites: MA 241, MA 224. Offered: Spring, and every third year.

Semester Credits

	Maximum Variable Credits:
3	-

MA405 - Complex Analysis

Course Overview

Description
A course in complex numbers, analytic functions, differentiation, and integration of complex functions, Taylor and Laurent series, evaluation of improper real integrals. 3 Lecture hours. Prerequisites: MA 223, MA 306. Offered: Spring and every third year.

Semester Credits

	Maximum Variable Credits:
3	-

MA407 - Vector Analysis

Course Overview

Description
A course that analyzes scalar and vector fields. Topics included are Newtonian kinematics and Kepler's Law of Planetary Motion, gradient, divergence, curl, theorems of Green, Stokes, Gauss, curvilinear coordinates. 3 Lecture hours. Prerequisite: MA 223. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

MA411 - Senior Seminars

Course Overview

Description
Advanced study designed to develop student competence in working independently and to afford students an opportunity to pursue topics not otherwise offered by the department. This is the capstone course for the Mathematics Major. 3 Lecture hours. Prerequisite: Senior standing in mathematics or Permission of Instructor. Grade of C or higher in 4 math 300/400 level courses, or Permission of Department Chair.

Semester Credits

	Maximum Variable Credits:
3	-

MA412 - Senior Seminars

Course Overview

Description
Advanced study designed to enhance student competence in working independently and to afford students an opportunity to pursue topics not otherwise offered by the department. Topics may extend research performed in MA 411 or be a topic independent of MA 411. 3 Lecture hours. Prerequisite: MA 411.

Semester Credits

	Maximum Variable Credits:
3	-

MA419 - Internship in Mathematics

Course Overview

Description
A course designed to provide an internship on a topic chosen by mutual consent of the student and the instructor. A written report is required. This course may be repeated twice. A minimum of 120 hours on the job work per week is required. Prerequisites: Junior 2 standing, 2.5 GPA, Permission of Instructor and Department Chair.

Semester Credits

	Maximum Variable Credits:
3	-

MA421 - Number Theory

Course Overview

Description
A course in the properties of integers, prime numbers, congruencies, Diophantine equations, quadratic reciprocity. 3 Lecture hours. Prerequisite: MA 306 or Permission of Instructor. Offered: Spring and every third year.

Semester Credits

	Maximum Variable Credits:
3	-

MA488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ME100 - Introduction to Mechanical Engineering Programming

Course Overview

Description
An introduction to computer programming logic for mechanical engineering design and analysis. The primary focus will be on learning a coding environment and the basics of computer programming logic for solving more complex engineering problems. 3 Lab hours. Prerequisite: Concurrent enrollment in MA 107 or MA 121 or MA 122. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
1	-

ME121 - Introduction to Mechanical Engineering Lab

Course Overview

Description
An introduction to engineering best practices for experimentation, project design and oral and written communications through laboratory experiments and hands on projects. Application of engineering design including non-technical aspects of engineering. Emphasis on Mechanical Engineering problems. Prerequisite: MA 005 grade of C or higher or Math placement into MA 095 or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
2	-

ME188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ME199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	3

ME211 - Mechanical Engineering Tools I

Course Overview

Description
An introduction to computer aided design and analysis tools for Mechanical Engineering applications with an emphasis on 3D solid modeling software. Topics include sketching, solid modeling, assembly modeling, engineering drawings for parts and assemblies and geometric dimensioning and tolerancing. Prerequisites: ME 121 or EE 121 or CE 121. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
2	3

ME213 - Design and Professional Practice

Course Overview

Description
Introduces students to the fundamentals of engineering design and professional practice through the use of hands-on projects. Students will practice the engineering design process, design thinking and creative problem solving strategies, problem-based learning, entrepreneurial mindset and project management skills. 1 Lecture hour and 3 Lab hours. Prerequisite: ME 211. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
0	2

ME216 - Mechanics and Materials Laboratory

Course Overview

Description
This course is intended to reinforce the concepts learned in Mechanics of Materials and Materials Science through hands-on experiments. Students will learn standard methods for measuring the properties and behavior of engineering materials and the effect of heat treatment on the properties. The course introduces measurement techniques, interpretation of experimental data and comparison of measurements to numerical/analytical predictions. 3 Lab hours. Prerequisite: EG 203, EG301 or concurrent enrollment. Offered: Spring

Semester Credits

	Maximum Variable Credits:
1	-

ME288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ME307 - Thermodynamics II

Course Overview

Description
Applications of thermodynamics to power and refrigeration cycles, combustion mechanisms, mixture and flow processes. Development of thermodynamic relationships and equations of state. 3 Lecture hours. Prerequisite: EG 206.

Semester Credits

	Maximum Variable Credits:
3	-

ME311 - Mechanical Engineering Tools II

Course Overview

Description
An extension of ME 211 with additional application of computer based design and analysis methods. An emphasis will be placed on design for manufacturing and other tools appropriate to the mechanical engineering profession. Prerequisites: ME 211, EG 206 and EG 301 or concurrent enrollment in EG 301. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
2	-

ME326 - Introduction to System Dynamics

Course Overview

Description
A study of the synthesis and analysis of dynamic systems using Laplace Transforms and State-Space modeling methods. Emphasis will be placed on modeling and analyzing Electrical, Mechanical and Electromechanical systems. Prerequisites: MA 224 and EG 202. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

ME356 - Manufacturing Processes

Course Overview

Description
A study of the principles of manufacturing processes. Metal removal, casting, joining and deformation processes are covered as well as introductions to numerically controlled machinery, computer-aided manufacturing, rapid prototyping, robotics, computer integrated manufacturing and modern manufacturing systems. 3 Lecture hours and 3 Lab hours. Prerequisite: ME 311, EG 203.

Semester Credits

	Maximum Variable Credits:
0	4

ME363 - Kinematic and Kinetic Synthesis

Course Overview

Description
A study of the principles of motion and the forces necessary to cause, and be created by motion. Applications to the design of typical machine elements such as gears, linkages and cams. 3 Lecture hours. Prerequisites: EG 202, MA 223 or concurrent enrollment.

Semester Credits

	Maximum Variable Credits:
3	-

ME368 - Machine Design

Course Overview

Description
A study of the application of the theories of mechanics and stress analysis to the design of fundamental machine parts. Some of the topics covered are shafts, springs, screws, belts, gears, rivets, bearings and lubrication. 3 Lecture hours. Prerequisite: EG 301.

Semester Credits

	Maximum Variable Credits:
3	-

ME370 - Mechanical Systems Design

Course Overview

Description
This course is a continuation of ME 213 with an emphasis on the design and realization of mechanical engineering systems, components or processes. Topics include problem definition, establish requirements and specifications with constraints, explore alternate solutions and evaluate solutions against requirements, detailed design solution with engineering analysis, materials selection and manufacturability and prototype fabrication testing and evaluation. Students work in teams on a semester-long design project. Prerequisites: ME 213 and EG 301. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

ME381 - Measurements & Instrumentation

Course Overview

Description
A study of the fundamentals of mechanical and electronic instruments and their use in measurement systems to obtain data on temperature, pressure, displacement, acceleration, and other physical variables. Introduction to experimental methods and procedures, reduction of data to significant form, and the organization of experimental results in written reports. 1 Lecture hour and3 Lab hours. Prerequisite: EE 204 or EE 206 and ME 100 or EE 200.

Semester Credits

	Maximum Variable Credits:
0	2

ME382 - Mechanical Engineering Laboratory II

Course Overview

Description
Application of instrumentation to observations of gas and liquid behavior, thermo-dynamic and mechanical aspects of machines and devices. Dynamic and transient considerations in instruments, physical systems, and experimental data. 3 Lab hours. Prerequisite: ME 381.

Semester Credits

	Maximum Variable Credits:
1	-

ME388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ME435 - Mechanical Control Systems

Course Overview

Description
Synthesis and analysis of mechanical control systems with feedback. Use of linearization techniques and Laplace Transform methods of analysis. Techniques for determining system stability. Emphasis is placed on operational characteristics of components and their effect on system design. Computer simulation of system operation. 3 Lecture hours. Prerequisites: ME 326. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

ME465 - Heat Transfer

Course Overview

Description
A study of the fundamentals of heat transfer by conduction, radiation, and convection. Steady and unsteady state conduction. Study will include boundary layer theory, internal and external convective flows. 3 Lecture hours. Prerequisite: EG 206, EG 303, MA 224. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

ME467 - Mechanical Engineering Design I

Course Overview

Description
The first of a two-semester sequence; this course applies the concepts of engineering to a capstone design project. Students will write the problem statement, establish requirements and specifications with constraints, explore alternate solutions, evaluate solutions against requirements, perform engineering analysis and propose a detailed design solution. Project planning, report writing and oral presentations are required. The course requires up to nine hours per week under guided supervision by a faculty advisor. Prerequisite: ME370. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

ME468 - Mechanical Engineering Design II

Course Overview

Description
This course is the second in the two-semester capstone design project sequience. Students will complete the final states of the design process to include design implementation, prototype fabrication when applicable, testing and evaluation and finalized design. Project planning, report writing and oral presentations are required. The course requires up to nine hours per week under guided supervision by a faculty advisor. Prerequisite: ME 467.

Semester Credits

Maximum Variable Credits:

3

-

ME487 - Thermal-Fluids Laboratory

Course Overview

Description

A laboratory which explores the applications of theories learned in thermodynamics, fluid mechanics and heat transfer. 1 Lecture hour and 2 Lab hours. Prerequisite: Grade of D- or higher in EG 303. D- or higher in ME 307 or taken concurrently.

Semester Credits

Maximum Variable Credits:

0

2

ME488 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

ME490 - Advanced Topics

Course Overview

Description

A course that provides specific work in an area of the instructor's special competence and indicated student interest. Offered: Spring.

Semester Credits

Maximum Variable Credits:

3

-

ME491 - Advanced Topics

Course Overview

Description

Advanced topics in solid mechanics, materials and/or manufacturing with the specific subject matter varying from year to year. 3 Lecture hours. Offered: Spring.

Semester Credits

Maximum Variable Credits:

3

-

ME492 - Advanced Topics

Course Overview

Description
Advance topics in thermodynamics, fluid mechanics, and/or heat transfer-related topics with the specific subject matter varying from year to year.3 Lecture hours. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

ME493 - Advanced Topics

Course Overview

Description
Advanced topics in dynamic systems with the specific subject matter varying from year to year. 3 Lecture hours. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG101 - Introduction to Business

Course Overview

Description
The purpose of this course is to introduce the student to the world of business. Students will learn about business organization and ownership and will survey union management relations, marketing, accounting, finance, international business, the legal environment, and the stock market. The course is designed to explore the relationship between social responsibility and profits in our free enterprise system. Prerequisite: Freshman standing.

Semester Credits

	Maximum Variable Credits:
3	-

MG103 - Women In Leadership

Course Overview

Description
This course will explore the perception of gender in leadership roles and differentiate between the how, why and success of Women in Leadership. As emotional intelligence and leadership ideals vary with background and experience. Characteristics such as gender identity, appearance, use of power and communication can influence the types of leaders people choose to be and the followers' respect that ensues. 3 Lecture hours. Offered: Fall, Spring

Semester Credits

	Maximum Variable Credits:
3	-

MG188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MG199 - MG 199

Course Overview

Description
A course is permitted to run as a pilot without seeking faculty approval for one academic year. The section will include the title of the course. A student will not earn credit for a pilot course and the course when approved as its own course.

Semester Credits

	Maximum Variable Credits:
0	4

MG224 - Principles of Entrepreneurship

Course Overview

Description
This course provides an introduction to the creative and innovative managerial practices of successful entrepreneurship. This course reviews the significant economic and social contributions entrepreneurs provide to society, the intense lifestyle commitment, and the skills necessary for entrepreneurial success. This course provides an overview of the entrepreneurial process. Prerequisites: Sophomore status or higher.

Semester Credits

	Maximum Variable Credits:
3	-

MG227 - Principles of Marketing

Course Overview

Description
This course introduces students to the basic principles of marketing practices and the application of these practices while examining the functions and concepts of marketing. Focus is on the key terms, functions, processes and activities of marketing and how marketing relates to overall organizational operations; including the management of exchange processes between consumers, business units and companies. 3 Lecture hours. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG230 - Personal Financial Literacy

Course Overview

Description
Students apply theoretical knowledge to consumer-oriented issues in the financial planning of the sort which must be addressed in an attempt to achieve a chosen lifestyle. The course is intended for a general audience. No prior knowledge of accounting, economics or finance is required. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

MG232 - Intercultural Engagements

Course Overview

Description
International business dealings require an understanding that the rules of engagement will differ from setting to setting. Students will be taught introductory intercultural communication theories as well as how to conduct themselves in a variety of environments across the globe. By the end of the course, students will be able to recognize that culturally competent individuals know when they need to change the way they communicate, how to change the way they communicate to be more effective and how to manage and negotiate breakdowns in communications to be successful in their endeavors. 3 Lecture hours. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG261 - Leadership in Coaching

Course Overview

Description
This course engages students in both learning about the journey of leadership as well as practicing that journey together. The course explores the philosophy and practice of leadership across many disciplines. It focuses on training students in over one dozen nuanced elements of leadership and culminates in guiding students, through a goal-setting exercise, to an understanding of how to use their leadership skills to develop and implement a plan of action in virtually any type of organization. The course is intended for general audiences. No prior knowledge of coaching or athletics is required. This course does not satisfy the General Education Leadership requirement. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

MG288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MG299 - Selected Topics Management

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

MG309 - Management of Organizations

Course Overview

Description
A study of the functions of modern management: planning, organization, staffing, leading, and controlling. This study is applicable to the management of military, government, educational and non-profit, as well as business organizations. The ethical and social responsibilities of management and contemporary challenges such as the internationalization of organizations are integrated in all aspects of this course. Cannot earn credit for MG 309 and MNGT 309. Prerequisites: EN 111. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG310 - Production/Operations Management

Course Overview

Description
Principles and applied study of the operation of manufacturing and service organizations. Managerial tools and diagnostics, decision-making, and financial management are introduced. Problems of small, medium, and large-sized businesses are studied. Credit in MG 310 cannot also be earned for MGNT 311. Prerequisites: QM 213 or MA 232; Sophomore status or higher.

Semester Credits

	Maximum Variable Credits:
3	-

MG314 - Marketing Management

Course Overview

Description
This course immerses the student in the strategies and processes of marketing management - market analysis, segmentation, targeting and positioning, and the implementation and evaluation of marketing plans. When the student has completed this course they will understand how a marketing plan is developed and have the skills necessary to identify, analyze and solve marketing problems. Cannot earn credit in MG 314 and MNGT 314. Prerequisite: EC 202. Sophomore status or higher.

Semester Credits

	Maximum Variable Credits:
3	-

MG316 - Sales Management

Course Overview

Description
This course explores sales from the perspective of the individual salesperson as well as that of the organization, addressing topics including sales basics, proper attitudes, planning, necessary skill sets, appearance, presentation and the importance of each. The course includes case studies, examinations, and in-class presentations in order to ensure that students are well prepared to enter the sales field. 3 Lecture hours. Prerequisite: MG 101.

Semester Credits

	Maximum Variable Credits:
3	-

MG318 - Social Media Marketing

Course Overview

Description
In this course students examine the social media marketing strategies which brands utilize, focusing on the integration of such strategies with other key initiatives for the organizations. Students identify methods of analyzing and using social media concepts as well as evaluate management decisions strategic plans for social media marketing. Prerequisite: MG 227 Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

MG319 - International Dimensions of Business

Course Overview

Description
This course is designed to familiarize the student with the basic concepts and terminology of international business, and to gain an appreciation of the differences in social, political, and economic conditions among nations and how these affect the conduct of business and trade between nations. Topics include comparative cultural, political, and economic environments, international trade theory and policy, foreign exchange and exchange rate determination, the dynamics of international business-government relationships, and corporate policy and strategy of the multinational firm. A student cannot earn credit for both MG 319 and MNGT 319. Prerequisite: EC 201 and EC 202. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG320 - International Marketing

Course Overview

Description
This course introduces students to concepts in global issues, disciplines and skills in making strategic decisions based on a global perspective. Students identify the tools and terminology required to explore and understand marketing practices in a global environment. Students examine the scope and challenge of international marketing, international trade, the culture, political and legal systems of global markets, the global market opportunities and ways to develop global marketing strategies. Prerequisite: MG 227 Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

MG325 - Marketing Analytics

Course Overview

Description
This course prepares students to be effective marketers in an environment that involves digital initiatives and data. Students evaluate different analytical approaches and work with both structured and unstructured digital data sets to analyze and attain practical experience in collecting and investigating large data sets. Students are introduced to the various types of data available and to assess the quality of the data. Prerequiste: MG 227 Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

MG341 - Business Law I

Course Overview

Description
A study of the law and legal system as they affect business. Topics include the court system, constitutional law, torts, criminal law and contracts. Students will learn how morality and social responsibility are integrated into our legal system. Students must complete an ethical standards paper in an appropriate context. Prerequisite: Freshman 2 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

MG346 - Business Law II

Course Overview

Description
A continuation of the analysis of the legal dimension of business operations that was developed in Business Law I. Special emphasis will be given to the legal environment as it relates to the accounting student's professional certification. Topics include bankruptcy, commercial paper, secured transactions, agency, corporations, and partnerships. Prerequisite: MG 341.

Semester Credits

	Maximum Variable Credits:
3	-

MG351 - Organizational Behavior

Course Overview

Description
This course considers the individual, the nature of organizations, and the issues resulting from the dynamic relationship of people in organizations. The course addresses such topics as learning, personality, motivation, organization structure, leadership, ethics, communication, and change. 3 Lecture hours. Prerequisite: MG 309. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG360 - Health Economics & Policy

Course Overview

Description
This course introduces students to principles of health economics and public policy in health and social welfare. Topics include support for public health, policy intervention in health determinants, the relationship between government regulation and market competition, the demand for healthcare, and the supply of services. This course will enable students to apply economic reasoning to the health-care challenges facing society. Prerequisite: One semester of college level mathematics or QM 213.

Semester Credits

	Maximum Variable Credits:
3	-

MG388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MG399 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

MG408 - Human Resources Management

Course Overview

Description
The management of human resources is one of the most challenging and critical aspects of contemporary organizational functions. This course addresses such issues as the nature of the American labor force, equal employment opportunity, personnel planning and staffing, compensation, employee well-being and job security, and collective bargaining. In addressing these issues attention is given to the ethical, legal, and moral questions involved. Prerequisite: MG 309.

Semester Credits

	Maximum Variable Credits:
3	-

MG409 - Organizational Leadership

Course Overview

Description
This course prepares students to apply leadership principles to the roles they play as managers. Students will discover more about themselves and learn more about the connection between the individual and the organization. Other topics include organizational culture, structure, group behavior, motivation, power, politics, organizational change, and workplace conflict. Credit may not be earned in MG 409 and also in MNGT 315 or MNGT 403. Prerequisite: MG 309 and MG 351. Offered Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG416 - Advanced Marketing

Course Overview

Description
In this course students will examine the key concepts and issues in developing a marketing strategy from the perspective of the corporate and SBU decision-maker. The course will take students through the process for formulating marketing strategies under various market conditions, for developing strategic and tactical marketing action plans, and how to evaluate and control a marketing plan and budget. Students undertaking this course will be required to use knowledge gained from previous marketing subjects in completing course assignments. Prerequisite: MG 314.

Semester Credits

	Maximum Variable Credits:
3	-

MG426 - Marketing Research

Course Overview

Description
This course explores the process and tools for data collection and analysis used to solve marketing problems. In addition, the subject addresses when marketing research is appropriate and how to define the research problem, as well as the role of marketing research in marketing decision making. This course will provide students with practical experience in the use of computer based data analysis techniques and make students aware of the biases and limitations inherent in various research methodologies. Prerequisites: QM 213 or MA 232; MG 314.

Semester Credits

	Maximum Variable Credits:
3	-

MG441 - Integrated Marketing Communications

Course Overview

Description
This course will provide students with the necessary knowledge and skills to develop appropriate communication strategies consistent with strategic marketing principles. The role of communications in the client organization's marketing plan is emphasized. The concept of Integrated Marketing Communication (IMC) for coordinating the individual communication elements of advertising, direct marketing and public relations to achieve specific marketing objectives is stressed. Prerequisite MG 227. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG449 - Administrative Policy and Strategy

Course Overview

Description
A capstone course designed to integrate the students' undergraduate studies. Case studies, collaborative assignments, writing assignments and oral presentations provide opportunities to synthesize and apply the knowledge gained from courses in the management program. Prerequisites: FN200, MG227, MG 309, MG 310, MG319, and QM317. Senior status only. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
3	-

MG450 - Internship in Management

Course Overview

Description
The internship program is designed for students who want to apply their studies by working with a business, industry, or public agency. The student will be required to work closely with a faculty supervisor to develop and implement a structured experience tailored to the career goals of the student. Repeatable up to 12 credit hours. Prerequisites: Junior or higher. Good academic standing. Permission of Instructor and Department Chair. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	6

MG488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MG499 - Topics

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	-

MH188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MH288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MH388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MH488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MH510 - Introduction to Historiography and Methodology

Course Overview

Description
This introductory course examines the evolution of history as a topic of study and develops your foundational skills in historiography and methodology. Historiography examines historical thought and research from the first works of history in the classical world to those of the present. You will explore historical methodology and informational literacy, the ways historians gather information and formulate hypotheses, the development of research methods including the use of primary and secondary sources, and the challenges of objectivity, selectivity, and bias in historical interpretation

Semester Credits

	Maximum Variable Credits:
6	-

MH520 - Global Military History to 1800

Course Overview

Description
Explores the military history of the United States and Europe from classical Greece to the 19th century. The emphasis is on the Western Way of War as defined by historians Geoffrey Parker and Victor Davis Hanson. In virtually every conflict between Western states and non-Western powers, from the Persian Wars through the colonial era, the west has emerged victorious. Are there experiences and characteristics that have distinguished warfare in the West from the rest of the world? Other prominent military historians, including John Lynn, have challenged the notion that a distinct, continuous Western Way of War exists. The seminar consists of an in-depth examination of these conflicting interpretations of military history and the major themes in the military history of the West.

Semester Credits

	Maximum Variable Credits:
6	-

MH530 - Military Thought and Theory

Course Overview

Description
This seminar studies the most influential military theoreticians and strategists from the period of the Thirty Years War to the present day. Students will examine the theories of Clausewitz, Jomini, Douhet, Mahan, Corbett, and Mao Tse-Tung. This seminar also examines theories of deterrence and nuclear war as well as post-Maoist revolutionary warfare.

Semester Credits

	Maximum Variable Credits:
6	-

MH540 - Non-Western Military History

Course Overview

Description
This seminar will present an introduction to Non-Western military history, covering a wide range of topics including military thought, strategy and tactics, technologies, and cultural factors as they pertained to the waging of war. Non-Western military history is rapidly maturing as a field of scholarly inquiry, particularly with respect to Asia. Therefore, this seminar will introduce students to the latest scholarship and interpretations, which both challenge and complement aspects of the debates about Western superiority mentioned above. Due to the wider availability of source materials and the research expertise of the seminar designer, this seminar will devote more attention to East Asia than to other parts of the non-Western world. Nevertheless, weekly lessons will be arranged topically and will in many cases encompass a variety of geographical areas. Students will be strongly encouraged to think comparatively throughout the class. Students will be challenged to determine if any society had definitely unique approaches to warfare or if the universals are far more important than the specifics.

Semester Credits

	Maximum Variable Credits:
6	-

MH541 - Chinese Military History

Course Overview

Description
This seminar will provide an introduction to Chinese military history, covering a wide range of topics including military thought, strategy and tactics, technologies, and cultural factors as they pertained to the waging of war. This offering will introduce students to the latest scholarship and interpretations, which both challenge and complement aspects of the debates about the Western way of war. Students will be strongly encouraged to think comparatively throughout the class. In the process we will attempt to determine if any society had definitely unique approaches to warfare or if the universals are far more important than the specifics.

Semester Credits

	Maximum Variable Credits:
6	-

MH543 - Amphibious Warfare

Course Overview

Description
This seminar examines amphibious operations from antiquity to the present. It also sketches broader contexts for amphibious warfare as it has affected political, diplomatic, and economic change by determining to what degree, if at all, various amphibious actions figured in what has been labeled as an early-modern military revolution that contributed to the Rise of the West.

Semester Credits

	Maximum Variable Credits:
6	-

MH550 - U.S. Military History

Course Overview

Description
This seminar will present an introduction to American military history from the colonial era to the present. Students will be challenged to critically evaluate Russell Weigley's American Way of War thesis and examine the impact American conflicts and the U.S. military has had an American Society.

Semester Credits

	Maximum Variable Credits:
6	-

MH551 - Race and Gender in Military History

Course Overview

Description
This seminar will cover the complex issues surrounding racial integration in military institutions, including intriguing questions around citizenship and ethnicity. Students will also examine the history of women's participation in warfare and issues of gender integration in the military.

Semester Credits

	Maximum Variable Credits:
6	-

MH552 - Total War

Course Overview

Description
This seminar will examine the origins of the concept and practice of “total war” in the period from the French Revolution to the end of the Cold War. The French Revolution, Napoleonic Wars, American Civil War, First World War and Second World War will be examined. Students will examine the evolution of modern war, the characteristics of total war as well as the usefulness of the concept of total war in describing these massive conflicts.

Semester Credits

	Maximum Variable Credits:
6	-

MH562 - Capstone Paper

Course Overview

Description
The Capstone has all the elements of the traditional thesis, including a program-approved topic of the student's own choosing to be explored in depth, the use of appropriate academic sources.

Semester Credits

	Maximum Variable Credits:
6	-

MH569 - Comprehensive Exam

Course Overview

Description
An exercise designed to assess knowledge of military history in general and the specific sub-fields studied during the program of study. The goal of the written examination is to assess student knowledge in the field of military history. Each examination assesses a demonstration of graduate-level knowledge of the pertinent historiography of the field(s) examined in their course of study, graduate-level analysis, an ability to synthesize information from various scholarly sources and develop and defend their interpretation of historical events. Students must also make a credible case regarding their historical and historiographic significance argument. Prerequisites: Successful completion of Seminars 1-6. Additional fees may apply.

Semester Credits

	Maximum Variable Credits:
0	-

MH570 - M.A. Thesis I

Course Overview

Description
Thesis I is the first of two required seminars for the thesis project in the MMH and MAH programs. Students will conduct primary and secondary source research and write drafts of their thesis under the guidance of a faculty thesis advisor. Students pursuing a research question requiring primary and/or secondary sources in one or more foreign languages must demonstrate advanced reading proficiency in the pertinent foreign language(s). External assessment such as the Defense Language Proficiency Examinations, Foreign Service Institute examination or reading comprehension tests approved by the American Council on the Teaching of Foreign Languages will be used to assess foreign language proficiency. If required for the research project, proof of foreign language competency must accompany the petition for the thesis option. Thesis and additional fees will be applied. Prerequisites: Approval of Program Director, Associate Program Director for Academics and Capstone Director, successful completion of Seminars 1-5, and, if applicable, advanced reading knowledge of the pertinent foreign language(s).

Semester Credits

	Maximum Variable Credits:
3	-

MH571 - MA Thesis II

Course Overview

Description
The second of two required seminars for the thesis project. Students will continue their research related to their M.A. thesis and will write a final version of the thesis under the guidance of their thesis advisor. Upon approval of the thesis advisor, the student will submit their thesis to their thesis committee and schedule an oral defense with his/her advisor and MMH/MAH thesis readers. A successful oral defense and final manuscript meeting the approval of a majority of the thesis committee will result in a grade of S-Satisfactory. Prerequisites: Grade of SP in MH570.

Semester Credits

	Maximum Variable Credits:
3	-

MH588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ML188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

ML199 - Pilot Course

Course Overview

Description
A course is permitted to run as a pilot without seeking faculty approval for one academic year. The section will include the title course. A student will not earn credit for a pilot course and the course when approved as its own course.

Semester Credits

	Maximum Variable Credits:
3	-

ML288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ML388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ML488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

ML588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

0

Maximum Variable Credits:
6

MNGT188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

MNGT288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MNGT315 - Leadership

Course Overview

Description
In this course students learn key theoretical models of leadership and apply them to a range of situations in both military and non-military organizations. Students identify key functions and skills of effective leaders, explore leadership styles through study of selected leaders and evaluate the role of communication, negotiation, strategy, purpose and ethics in leadership.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT330 - Management Information Systems

Course Overview

Description
Students examine the information technology solutions and systems available for use in the management of organizations. The focus will be is on what managers and executives must know and understand about technology to be successful in business. Topics covered include: the strategic use of information resources; organization and work design issues; the business of IT with a discussion of hardware and software components, database technologies, enterprise systems, telecommunications and networking, decision support systems and trends in technology; governance and projects. Emphasis is placed on the importance of information technology as an enabler for the enterprise as well as the efficient use of IT dollars in a rapidly changing world. Students conclude with an examination of the ethical and human resource challenges of the use of management information systems.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MNGT400 - Capstone

Course Overview

Description
This course is the culminating academic activity for students. Under the supervision of the instructor, students create a portfolio of work from previous courses to demonstrate achievement of the program outcomes. Students also propose, develop, and deliver a final project that combines the general knowledge acquired in the Core Courses with the specific knowledge of the Concentration area. The final project may be in the form of a business or strategic plan, a formal proposal in response to an RFP, a research study or other type of substantive project focuses on their program and/or concentration. This course may not be fulfilled through transfer credit. Prerequisite: successful completion of all core and concentration courses or Permission of the Academic Director.

Semester Credits

6

Maximum Variable Credits:
-

MNGT401 - Sem in Leadership I:Fundamntls

Course Overview

Description
This course focuses on differentiating the conceptual and theoretical aspects and models of leadership and leadership studies. The fundamentals of leadership are taught within the context of present and past leaders, with an emphasis on how to practice these fundamentals in an ethical manner.

Semester Credits

6

Maximum Variable Credits:
-

MNGT402 - Sem in Leadership II Styles EQ

Course Overview

Description
Focuses on differentiating the conceptual and theoretical aspects and models of Emotional Intelligence (EQ). Provides students the opportunity to explore the key EQ skills that contribute to leadership success. Through the course, students build a foundational understanding of EQ by exploring emotions, behavior, and EQ history. Students learn about the skills, attitudes, and behaviors of people with high or varying degrees of EQ, as well as how individuals can cultivate those skills.

Semester Credits

6

Maximum Variable Credits:
-

MNGT403 - Leadership of Change

Course Overview

Description
This course is a study of change management principles and best practices from a leadership vantage point. Emphasis is on the process of planning for change and the critical role of communication before, during, and after change. Students develop instruments for measuring the impact of change on human and financial resources within organizations.

Semester Credits

3

Maximum Variable Credits:
-

MNGT404 - Leadership in Tech-Driven World

Course Overview

Description
This course focuses on the application of leadership principles toward efforts to manage the impact of modern information and communication technologies on organizations. Topics include: creating and leading a remote workforce; human behavior in technology-mediated work relationships; and ethical issues arising from the use of technology.

Semester Credits

3

Maximum Variable Credits:
-

MNGT421 - Sem in Human Resource Mngt I

Course Overview

Description
The first of two seminars focusing on a comprehensive examination of the key functional areas of HR. Students analyze the first 9 of the 15 Human Resources (HR) Functional Areas of knowledge and apply them in case studies to design enterprise HR solution for the organization.

Semester Credits

	Maximum Variable Credits:
6	-

MNGT422 - Sem in Human Resource Mngt II

Course Overview

Description
The second of two seminars focused on a comprehensive examination of the key functional areas of HR. Students analyze the final 6 of the 15 Human Resources (HR) Functional Areas of knowledge of HR and apply them in case studies to design enterprise HR solution for an organization.

Semester Credits

	Maximum Variable Credits:
6	-

MNGT423 - Human Capital Planning

Course Overview

Description
The course enhances student understanding of Human Capital Management (HCM) in organizations to help them be effective Human Resources (HR) professionals and strategic partners. The focus is on the essential practices of HCM and how these practices impact organizational goals. Students examine HCM practices such as workforce analytics, workforce planning, talent management, and performance management. They learn to apply HR metrics to demonstrate the impact HR has on the achievement of goals. 3 Lecture hours. Prerequisites: MNGT 421, MNGT 422.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT424 - Strategic Role of HRM in Organizations

Course Overview

Description
Students build upon the traditional foundations of Human Resource Management by synthesizing and applying them in the strategic planning and goals of organizations to help achieve competitive advantage. Topics analyzed from a strategic vantage point include advanced employment law and processes, staff training and development, and strategic performance management. 3 Lecture hours. Prerequisites: MNGT 421, MNGT 422.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT441 - Public Procurement and Contracting

Course Overview

Description
The student examines the scope, methods, and processes of forming contracts between public and private parties for the purpose of accomplishing the missions of governmental agencies at the international, federal, state/provincial and local level. It is designed for individuals considering a career in public administration, persons employed in government agencies, public procurement personnel wishing to enhance their knowledge, and suppliers or citizens interested in learning more about the formulation of government contracts. Subject and foundational areas such as contract monitoring, contract administration ethics, and of the legal basis of the public procurement function will be examined and explored.

Semester Credits

	Maximum Variable Credits:
6	-

MNGT442 - Public Procurement and Strategic Planning

Course Overview

Description
Student examines the scope, methods and processes of forming contracts between public and private parties for the purpose of accomplishing the missions of governmental agencies at the international, federal, state/provincial and local level from a strategic planning vantage. It is designed for individuals considering a career in public administration, persons employed in government agencies, public procurement personnel wishing to enhance their knowledge, and suppliers or citizens interested in learning more about the formulation of government contracts. Subject and foundational areas such as procurement strategic planning, risk management and procurement ethics will be examined and explored as it relates to the public procurement function.

Semester Credits

	Maximum Variable Credits:
6	-

MNGT447 - Supply Chain Management Strategy, Planning, and Operations

Course Overview

Description
This course focuses on understanding and developing a Supply Chain Strategy. Topics studied in this course include: basic supply chain topics, technology, metrics, and innovation. The course will focus on end-to-end understanding of what supply chain management is all about, key concept, important issues, best-in-class, benchmarking and overall strategic approaches to successful supply chain management, development and operation. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

MNGT451 - Financial Planning Process and Fundamentals

Course Overview

Description
This course introduces students to the financial planning process and the relevant concepts of personal finance that are focused on understanding assumptions and client personal objectives. The student will learn how to act as a fiduciary under the CFP Boards Code of Ethics and Standards of Conducts for CFP Professionals, and how to manage the planner client relationship. Prerequisites: ECON 202, ECON 201 or ECON 250, Grade of C or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT452 - Risk Management and Insurance Planning

Course Overview

Description
This course focuses on the examination of risk and how risk is managed in the financial planning process. Students will learn the steps to perform an insurance analysis and how to properly evaluate the multiple forms of insurance available in the marketplace today. Prerequisite: MNGT 451, Grade of C or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT453 - Investment Planning

Course Overview

Description
This course focuses on the securities market including the examination of investment vehicles and concludes with the analysis and construction of investment portfolios. Students will learn how to match suitable investments to clients individual situations including risk tolerance, tax exposure and time horizons. Prerequisite: MNGT 451, Grade of C or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT454 - Income Taxation for Individuals and Businesses

Course Overview

Description
This course introduces students to the federal income tax system and estate planning as two potential critical components of the financial planning relationship. Students will understand how the income tax calculation and planning aids in achieving clients goals and objectives and the estate planning process minimizes uncertainty and promotes efficient transfer of wealth upon death. Both of these planning processes require identifying applicable rules and laws, calculating the effects of a clients actions, decisions and communicating through written documents the clients wishes. This course will encourage students to adopt the financial planning process to apply subject-matter knowledge to client recommendations and relationships. Prerequisites: MNGT 451. Grade of C or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT455 - Retirement and Education Planning

Course Overview

Description
Introduces two of the largest expenses for individuals during their lifetimes: retirement and education. Both pursuits require extensive planning by considering the circumstances and objectives of the client, as well as relevant tax implications and other pertinent regulations. Before recommending applicable solutions and strategies, students will explore the Social Security, Medicare, and Medicaid programs, along with the various types of Individual Retirement Arrangements (IRAs). Students will identify education savings vehicles to determine the most advantageous education planning resources. Encourages adoption of the financial planning process and applies subject-matter knowledge to client recommendations and relationships. Prerequisite: MNGT 451. Grade of C or better. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT456 - Case Studies for Personal Financial Planning

Course Overview

Description
The purpose of the Financial Plan Development Course is to require the financial planning students to demonstrate the ability to integrate and apply his or her knowledge of financial planning topics, as received through the curricula taught by CFP Board Registered Programs. Prerequisites: MNGT 451, MNGT 452, MNGT 453, MNGT 454, MNGT 455, Grade of C or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT457 - Supply Chain Management Logistics Design and Execution

Course Overview

Description
Focuses on supply chain warehousing and logistics which includes supply chain movement, warehouse design, capacity management, delivering customer value, measuring logistics cost and performance, matching up supply with demand, creation of a responsive supply chain and the management of complexity and risk. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

MNGT467 - Supply Chain Management Assessment, Integration, and Optimization

Course Overview

Description
This course focuses on supply chain optimization which includes value assessment of the supply chain, baseline and optimization, capacity management, project management, demand forecasting, quantitative risk assessment, constraint optimization and time estimating techniques. Additionally, this course will explore partnering, reengineering, logistic drivers, networking and the language and terms key to successful supply chain management. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

MNGT475 - Project Management Fundamentals

Course Overview

Description
Focus is on the fundamentals of project management and practices and preparation for Project Management Institute (PMI) certification. Students explore the key elements of project management from the project management framework, the project life cycle, project process and key project management knowledge areas. Additionally, project integration, scope, time, cost, quality, resource and schedule management are studied. Other key areas of focus are project management procurement and overall project communications requirements.

Semester Credits

	Maximum Variable Credits:
3	-

MNGT476 - Project Management Advanced Techniques

Course Overview

Description
Builds on and finalizes the foundational material on project management principles, practices, and processes covered in MNGT 475: Project Management Fundamentals. Students focus on the critical PM components of project management leadership, effective communications, and the management of project teams. Prerequisite: MNGT 475.

Semester Credits

3

Maximum Variable Credits:
-

MNGT488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

MS111 - Military Science I

Course Overview

Description
Leader Development and Individual Soldier Skills I is an introduction to Army customs, courtesies, and traditions. And, an introduction to leadership development, values and ethics of the Army; physical wellness and fitness, and stress management. Laboratory work: Basic land navigation skills, field craft skills, and basic rifle marksmanship. United States Armed Service members who have completed Basic Combat Training (BCT) may receive credit for MS 111 and/or MS 112 courses with a Joint Service Transcript. Norwich Army ROTC office requires a DD 214 form [Certificate of Release from Active Duty] or form NGB-22 [Government National Guard Bureau]. 1 Lecture hour and 2 hours enrolled in MS 111 LL1. d 3 Physical Training hours weekly. Prerequisite: Freshmen, Sophomore only.

Semester Credits

0

Maximum Variable Credits:
1

MS112 - Military Science I

Course Overview

Description
Leader Development and Individual Soldier Skills II is an introduction to basic leadership fundamentals: as setting direction, problem-solving, listening, presenting briefs, providing feedback, and using effective writing skills. Exploration of the dimensions of leadership attributes and core leader competencies in the context of practical, hands-on, and interactive exercises. Introduction to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. Class training and labs prepare students to advance basic Soldier skills and tactical techniques. Laboratory work: Advanced land navigation skills, basic rifle marksmanship, and troop leading procedures. This requirement may be waived by the Military Science Instructor. United States Armed Service members who have completed both Basic Combat Training (BCT) and an equivalent course may receive credit for MS 111 and/or MS 112 courses with a with a Joint Service Transcript. Norwich Army ROTC office requires a DD 214 form [Certificate of Release from Active Duty] or form NGB-22 [Government National Guard Bureau]. 1 Lecture hour and 2 hours enrolled in MS 112 LL1. 3 Physical Training hours weekly. Prerequisites: MS 111, Freshmen, Sophomores only.

Semester Credits

0

Maximum Variable Credits:
1

MS188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

MS211 - Military Science II

Course Overview

Description
The Principles of Small Unit Tactics-Leadership Laboratory. Explores the dimensions of creative and innovative tactical leadership strategies while examining team dynamics and leadership theories that form the basis of the Army leadership framework. Practical exercises include Operations Orders, briefings, and planning are emphasized in order to develop problem solving abilities and confidence building. United States Armed Service members who have completed both Basic Combat Training (BCT) and an equivalent course may receive credit for MS 111 and/or MS 112 courses with a with a JST [Joint Service Transcript]. Students pursuing an Army commission must also register for MS 211 LL1. 2 Leadership Lab hours and 3 Physical Training hours weekly. 2 Lecture hours. Prerequisites: MS 111, MS 112 or equivalent.

Semester Credits

0

Maximum Variable Credits:
2

MS212 - Military Science II

Course Overview

Description
Principles of Leadership and Small Unit Tactics II will examine the challenges of leading teams in the complex operational environment. Highlights dimensions of terrain analysis, patrolling, and operation orders. Further study of the theoretical basis of the Army Leadership Requirements Model explores the dynamics of adaptive leadership in the context of military operations. Cadets develop greater self-awareness as they assess their own leadership styles and practice communication and team building skills. Laboratory work: Small unit tactics, advanced land navigation, physical fitness, and troop leading procedures. United States Armed Service members who have completed both Basic Combat Training (BCT) and an equivalent course may receive credit for MS 111 and/or MS 112 courses with a with a Joint Service Transcript]. Students pursuing an Army commission must also register for MS 212 LL1. 2 Leadership Lab hours and 3 Physical Training hours weekly. 2 Lecture hours. Prerequisite: MS 211 or equivalent.

Semester Credits

0

Maximum Variable Credits:
2

MS288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

MS311 - Military Science III

Course Overview

Description
Training Management and the Warfighting Functions is a comprehensive study and application of the Army Training Management System as well as an introduction to the Army Warfighting Functions. Develop oral and written communication skills through preparation and presentation of classes and information briefs as well as develop training plans geared toward individual skills of a soldier to include land navigation, terrain analysis, and route planning. The course further integrates problem-solving methodology in the Army while exhibiting dynamic leadership. Students must enroll in MS 311 LL1. 2 Leadership Lab hours and 3 Physical Training hours weekly. 3 Lecture hours. Prerequisite: MS 212 or equivalent.

Semester Credits

	Maximum Variable Credits:
0	3

MS312 - Military Science III

Course Overview

Description
Applied Leadership in Small Unit Operations is a comprehensive study and application of light infantry patrolling operations. Leadership techniques while gaining a comprehensive understanding of the mission and organization of combat and reconnaissance patrols and the methods utilized by effective combat leaders. Explores historical examples to illustrate the critical importance of dynamic leadership. Activities used to demonstrate an understanding of problem solving processes of the Army, fully integrating leadership, technical knowledge, and applying doctrinally sound tactics while conducting full-spectrum operations at the platoon level. Students must enroll in MS 312 LL1. 2 Leadership Lab hours and 3 Physical Training hours weekly. 3 Lecture hours. Prerequisite: MS 311 or equivalent.

Semester Credits

	Maximum Variable Credits:
0	3

MS388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MS399 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

MS411 - Military Science IV

Course Overview

Description
Transition from Cadet to U.S. Army 2nd Lieutenant is the first of two senior capstone courses in Military Science. Training includes Army operations, training management, communications and leadership skills; will participate in selected studies of Military History including a visit to the Saratoga battlefield; will attain knowledge and proficiency in several critical areas, as follows: Army training management system, coordinating activities with staffs, and counseling skills. These skills will assist in leading Junior Army ROTC cadets throughout the school year. Instruction will include lecture/seminar, case studies, practical exercises and military laboratories to include field-training exercises. One-third of the grade will include a measurement of ability to develop subordinate leaders and personnel. With the addition of MS 412, this training assists in the transition to the Branch specific Basic Course as Commissioned Army Officers possessing high moral character, instilled with Army values, physically fit, knowledgeable in basic soldier skills and a meaningful understanding of leadership and management. 2 Leadership Lab hours and 3 Physical Training hours weekly. 3 Lecture hours. Corequisite: MS 411 LL1. Prerequisites: MS 312 or equivalent. Students pursuing a commission.

Semester Credits

	Maximum Variable Credits:
0	3

MS412 - Military Science IV

Course Overview

Description
Transition from Cadet to U.S. Army 2nd Lieutenant is the second of two senior capstone courses. Study of origins, development, and implementation of U.S. National Security Policy as it applies to the application of land power; focus on understanding and conducting Military Operations, the parameters in which the U.S. will participate, and the role of the military in PKOs. Intense understanding how to prepare for a particular organization to ensure the objectives support the National policy; case studies of recent Military Operations; how tactical decisions can affect strategic outcomes, and the study of current events. Further development of individual leadership skills and knowledge through class seminars, leadership laboratories, and field training exercises; will assess the level of training in their organizations, develop a training plan to correct deficiencies and re-enforce strengths, and how to evaluate training results. The second half of the semester will further develop an understanding of leadership in organizations, team building, counseling subordinates, and the various support systems available to leaders. Advanced oral and written communications skills; preparing written assignments in the military writing style, along with oral presentations. 2 Leadership Lab hours and 3 Physical Training hours weekly. May be used as part of the six ROTC credits allowed for degree electives. 3 Lecture hours. Corequisite: MS 412 LL1 and pursing a commission. Prerequisite: MS 411 or equivalent.

Semester Credits

	Maximum Variable Credits:
0	3

MS488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MU188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MU200 - Applied Music

Course Overview

Description
A course that provides studio instruction in keyboard instruments, orchestra and band instruments, and voice under the guidance of a performing artist. Offered at various levels of advancement appropriate to the individual student. Objectives include analysis and mastery of technical problems and the study of literature characteristic of the instrument or voice. This course is repeatable; however, a total of three credits in the degree is permitted between all performance/production-based courses in Music and Theater. Prerequisites: Permission of Instructor and audition, if required.

Semester Credits

	Maximum Variable Credits:
1	-

MU210 - Campus Choraleers

Course Overview

Description
A select group of 40 mixed voices organized for the study and performance of advanced choral works of all periods. Repeatable for credit to three accumulated hours. Repeatable without credit indefinitely. This course is repeatable; however, a total of three credits in the degree is permitted between all performance/production-based courses in Music and Theater. Prerequisite: Audition

Semester Credits

	Maximum Variable Credits:
1	-

MU260 - Regimental Band

Course Overview

Description
A course that provides study and performance of marching band literature and technique, as well as rehearsal and presentation of small ensemble pep band music. Membership is open, through audition, to members of the Corps of Cadets. This course is repeatable for credit. This course is repeatable; however, a total of three credits in the degree is permitted between all performance/production-based courses in Music and Theater.

Semester Credits

	Maximum Variable Credits:
1	-

MU271 - History of Jazz

Course Overview

Description
History of Jazz is a historically based music course to expose the student to American Jazz. Jazz occupies a unique place in American cultural history. Although it has been influenced by the music of many countries, it remains a purely American phenomenon. The course will include the study of historical readings, listening to the many styles and artists of American jazz, and attendance at live performances. Upon completion of the course, the student should have a general knowledge of the various styles, artists, and social history of the period from 1890 to 2006.

Semester Credits

	Maximum Variable Credits:
3	-

MU288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MU299 - Pilot Course in Music

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	3

MU388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

MU488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NR103 - Nursing History and Health Promotion

Course Overview

Description
This course offers an active and participatory environment for the study of nursing history through the use of primary and secondary sources, discussions, simulations and research assignments. This course will utilize both teacher centered and student centered modes of instruction to explore the development of nursing as a profession in historical context and highlight the role of nurses in Health promotion. 3 Lecture hours. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR105 - Nutrition and Health Promotion

Course Overview

Description
This course focuses on the use of basic concepts from nursing, nutrition, integrative therapies and biophysical sciences, as well as Healthy People 2020 to explore the determinates of health, wellness, and illness of individuals. Environmental, and sociocultural economic and lifestyle factors that influence health will be discussed. This course provides the beginning foundation for an understanding of the relationship of nutrition to physiological and pathophysiological functions. Evaluation of health information as relevant and reliable will be incorporated as a foundation for health promotion. Prerequisite: Grade of C+ or higher NR 104, BI 215, Nursing Major.

Semester Credits

3

Maximum Variable Credits:
-

NR188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

NR199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

0

Maximum Variable Credits:
3

NR206 - Health Assessment Across the Lifespan

Course Overview

Description
Students study age specific approaches to assessment of human health. Focusing on evaluation of health and function of individuals, students acquire knowledge of health assessment and promotion in relation to comprehensive nursing care. The concepts are presented within the context of human growth and development, culture, and environment. Students learn to perform a comprehensive and holistic assessment of the patient including: systematic collection, analysis, and synthesis of health data from patients and secondary sources. Successful students will demonstrate a physical examination on a laboratory partner at the end of the course. 3 Lecture hours and 2 Lab hours. Prerequisite: BI 215 and BI 216. Grade of C+ or higher. Restriction: Nursing majors or Director permission.

Semester Credits

0

Maximum Variable Credits:
3

NR211 - Pharmacology I

Course Overview

Description
This course is an introduction to the science of Pharmacology. It is part I of II pharmacology courses aligned with care of the adult I and care of the adult II and divided into body systems. The basic concepts of pharmacology, such as drug testing and approval, pharmacokinetics and pharmacodynamics, therapeutic and toxic effects, dosage calculations, and challenges related to drug therapy, provide the foundation from which drug therapy associated with specific body systems can be addressed. Discussion of the major drug groups focuses on therapeutic actions and indications, pharmacokinetics, contraindications and cautions, adverse effects, clinically important drug-drug interactions, and nursing considerations which emphasize the nursing process and focus on patient care and teaching. Prototypes of the major drug groups are emphasized. Students will demonstrate lifespan considerations, evidence of best practice, patient safety and critical thinking that are integrated throughout the course. Focus will include a safe and patient centered approach on nurse medication administration, mechanism of action all within a legal/ethical framework. Prerequisite: BI 220 to be taken concurrently with NR 316. Restriction: Nursing majors or Director permission. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR215 - Client, Psychological/Mental Health Problems

Course Overview

Description
In this course students are introduced to current theory and research about contemporary practices in mental health nursing. Students develop their use of self as a therapeutic tool and focus on a holistic approach to assessment and care of persons with psychological issues and selected psychiatric disorders and conditions. Students will provide care to patients with mental health and social health problems and their families as part of the interdisciplinary health care team. Prerequisites: PY 220, NR 206 grade of C+ or higher. Restriction: Nursing majors or Director permission. Corequisite: NR 215L.

Semester Credits

	Maximum Variable Credits:
3	-

NR215L - Client, Psychological/Mental Health Problems

Course Overview

Description
This immersion course teaches students how to apply current theory and research about contemporary practices in care of patients with mental health and social health problems. Students demonstrate the use of self as a therapeutic tool and focus on a holistic approach to assessment and care of persons with psychological issues and selected psychiatric disorders and conditions. Students will provide care to patients with mental health and social health problems and their families as part of the interdisciplinary health care team. Restriction: Nursing majors. Corequisite: NR 215.

Semester Credits

	Maximum Variable Credits:
2	-

NR217 - Simulation for Nursing Practice

Course Overview

Description
Simulation for Nursing Practice 4 Cr. Students learn fundamental cognitive, psychomotor, and behavioral practices of professional nursing. Essential nursing skills, process, and diagnoses are addressed through concept based learning. Simulations foster critical thinking about patients, families, and related nursing interventions that promote beginning competence prior to entering acute care facilities. 3 Lecture hours and 2 Lab hours.Prerequisite: NR 103 or NR 104 or concurrent enrollment in NR 206. Grade of C+ or higher. Restriction: Nursing majors.

Semester Credits

	Maximum Variable Credits:
0	4

NR225 - Research For Evidence-Based Practice

Course Overview

Description
This course introduces the student to the principles, methods, and process of research for evidence-based practice. Content includes how research contributes to the development of nursing knowledge, improves nursing practice, supports design of nursing systems, and enhances education and professional accountability. Students will participate in appropriate data collection and other research activities while evaluating the ethical legal issues applied to research. The successful student will learn to integrate reliable evidence from multiple ways of knowing to better inform their practice and make clinical judgments. Prerequisite: MA 232. Grade of C+ or higher. Restriction: Nursing majors or Director Permission.

Semester Credits

	Maximum Variable Credits:
3	-

NR232 - Technology and Informatics in Healthcare

Course Overview

Description
This course stresses the ethical and legal issues, including privacy and security, related to electronic systems in healthcare. It is designed to provide students with an introduction to and an initial experience of accessing information from a variety of sources, including information systems and technologies as the foundation for evidence-based practice, clinical-decision support tools, the electronic health record (EHR) and quality improvement systems. While Nursing Informatics is a highly specialized field, this course provides foundational informatics competencies that all practicing nurses and graduating nursing students should possess to meet the standards of providing safe, quality, and competent care.Prerequisite: NR 103. Grade of C+ or higher. Restriction: Nursing majors or Director permission.

Semester Credits

	Maximum Variable Credits:
3	-

NR261 - Pathophysiology

Course Overview

Description
This course provides an overview of the pathophysiology of selected conditions focusing on the etiology, pathogenesis, physiological changes and clinical manifestations of common health problems. Analysis of the sequences of changes leading to various disease states within the main body system will be coupled to the specific principles of preventions, diagnosis and treatments. Emphasis will be placed on making pathophysiology accessible to students so that they can begin applying the concepts in their clinical work while continuing to study throughout their careers. 3 Lecture hours. Prerequisite: BI 215 and BI 216. Grade of C+ or higher. Restriction: Nursing majors or Director permission. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NR299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	-

NR316 - Care of the Adult 1

Course Overview

Description
In this course students integrate the physiological, psychological, spiritual, developmental and socio-cultural dimensions of adults as they study nursing care during wellness and illness. Focus is on the musculoskeletal, endocrine, immune, integumentary, gastrointestinal and genitourinary systems. Students learn the professional nursing role in planning care of the adult client. Prerequisites: NR 206. Grade of C+ or higher. Corequisite: NR 316L and NR 211. Restriction: Nursing majors or Director permission. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR316L - Care of the Adult 1 Practicum

Course Overview

Description
This course asks students to apply knowledge of the physiological, psychological, spiritual, developmental and socio-cultural dimensions of adults as they study nursing care during wellness and illness. Students learn the professional nursing role in planning care of the adult client through clinical experiences at external agencies. Acquisition of communication and psychomotor skills is critical to providing nursing care. Restriction: Nursing majors. Corequisite: NR 316.

Semester Credits

	Maximum Variable Credits:
3	-

NR321 - Nursing Leadership

Course Overview

Description
In this course students focus on theoretical foundations and conceptual principles of nursing leadership and the skills necessary to practice leadership competently in healthcare environments. The course is designed to enhance leadership self-awareness and to encourage students to fashion personal perspectives on how to lead professionally. Analyzing trends and issues in the current healthcare system has implications for exercising leadership and will help students determine the way they can make a difference. Prerequisite: NR 225 and NR 316. Grade of C+ or higher. Restriction: Nursing majors or Director permission.

Semester Credits

	Maximum Variable Credits:
3	-

NR331 - Care of Women and Childbearing Family

Course Overview

Description
An introduction to current evidence-based knowledge, theory and skills of the practice of maternal/newborn and women's health nursing building on knowledge from preceding courses in the social and physical sciences, and nursing courses, to help the student further develop the professional role behavior. Covered topics may include health promotion, disease prevention, genetics, social justice, issues of access and gender in healthcare. The continuity of practitioner care delivery from an office to the hospital to home is stressed enabling the emerging clinician to see the interdisciplinary team at work in the care of women and childbearing families. Prerequisite: NR 316, NR 211. Grade of C+ or higher. Nursing majors or Director permission. Corequisite: NR 331L.

Semester Credits

	Maximum Variable Credits:
3	-

NR331L - Care of Women and Childbearing Family Practice

Course Overview

Description
Nursing Care of Women and Childbearing Families clinical practicum to apply current knowledge, research and skills in contemporary practice of the health of maternal/newborn and women nursing to the care of selected clients. Client selection will be based on availability and will include newborns, postpartal mothers, antepartal mothers and families, and intrapartal mothers and families. The emphasis will be on safe, evidence based care for this vulnerable patient population. Prerequisite: Nursing majors. Corequisite: NR 331.

Semester Credits

	Maximum Variable Credits:
2	-

NR341 - Care of Children/Child Rearing

Course Overview

Description
In this course students focus on the nursing care of children, adolescents and families dealing with health and developmental challenges of childhood and explore health promotion needs of childrearing families. This course employs a developmental perspective through which major causes of morbidity and mortality are examined while it challenges students to develop critical and creative reasoning skills and utilize empathetically appropriate communication skills as the basis for care. Prerequisite: NR 316, NR 211. Grade of C+ or higher. Restriction: Nursing major or Director permission. Corequisite: NR 341L.

Semester Credits

	Maximum Variable Credits:
3	-

NR341L - Care of Children/Child Rearing

Course Overview

Description
In this course students apply knowledge of the causes of childhood and adolescent illness in context with the relevant developmental challenges specific to the patient. Health promotion needs of the child and family in illness are stressed. Critical thinking and empathetically appropriate communication serve as the context for care. Restriction: Nursing majors or Director Permission. Corequisite: NR 341.

Semester Credits

	Maximum Variable Credits:
2	-

NR361 - Pharmacology II

Course Overview

Description
This course is part II of II pharmacology courses aligned with care of the adult II and is divided into body systems. The basic concepts of pharmacology, such as drug testing and approval, pharmacokinetics and pharmacodynamics, therapeutic and toxic effects, dosage calculations and challenges related to drug therapy, provide the foundation from which drug therapy associated with specific body systems can be addressed. Discussion of the major drug groups focuses on therapeutic actions and indications, pharmacokinetics, contraindications and cautions, adverse effects, clinically important drug-drug interactions and nursing considerations, which emphasize the nursing process and focus on patient care and teaching. Prototypes of the major drug groups are emphasized. Students will demonstrate lifespan considerations, evidence for best practice, patient safety and critical thinking that are integrated throughout the course. Focus will include a safe and patient centered approach on nurse medication administration, mechanism of action all within a legal/ethical framework. 3 Lecture hours. Restriction: Nursing majors. Prerequisite: Grade of C+ or higher in NR 211. Corequisite: NR 416. Offered Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR365 - Pathopharmacology for Nurses

Course Overview

Description
Builds upon the biological/chemical science courses. A comprehensive study of human pathophysiology and the application of pharmacotherapies commonly encountered with each of these disease processes. Epidemiology, disease state presentation with common clinical evaluations, mortality and morbidity will be addressed. At the conclusion, students demonstrate cumulative knowledge of the pathophysiologic and pharmacologic processes utilized in the care of and promotion of health and wellness across the lifespan. Evidence based practice for use, cost, ease of administration, compliance and efficacy will be discussed. Prerequisites: Grade of C+ or higher in NR 206, BI 216, MA 232. Nursing Major.

Semester Credits

	Maximum Variable Credits:
4	-

NR388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NR416 - Care of the Adult II

Course Overview

Description
In this course students are required to integrate the physiological, psychological, spiritual, developmental and socio-cultural dimensions of adults as they study nursing care during wellness and illness. Focus is on the neurological system, cardiovascular system, respiratory system, hematology and oncology. Students learn the professional nursing role in planning care of the adult client. 4 Lecture hours per week. Prerequisites: NR 316 to be taken concurrently with NR 361. Grade of C+ or higher. Restriction: Nursing majors or Director permission. Corequisite: NR 416L.

Semester Credits

	Maximum Variable Credits:
4	-

NR416L - Care of Adult II

Course Overview

Description
In this course students apply knowledge of the physiological, psychological, spiritual, developmental and socio-cultural dimensions of adults as they study nursing care during wellness and illness. Students learn the professional nursing role in planning care of the adult client through clinical experiences at external agencies. Acquisition of communication and psychomotor skills is critical to providing nursing care. Prerequisite: Nursing major. Corequisite: NR 416.

Semester Credits

	Maximum Variable Credits:
4	-

NR420 - Care at End of Life

Course Overview

Description
The study of current theory and research about contemporary practices caring for clients and their families at the end of life. Teaching effective interaction skills with clients, families and health care providers. Throughout the course, students develop their use of self as a therapeutic tool and focus on a holistic approach to assessment and care of persons with a variety of life-limiting illnesses/diseases. Interventions will be discussed regarding the physical care as well as psychological, social, cultural and spiritual care of clients and their families as they face their final journey. Prerequisites: Grade of C+ or higher in NR 321, NR 331, NR 331L, NR 341, NR 341L. Nursing major.

Semester Credits

	Maximum Variable Credits:
2	-

NR421 - Coordinator of Care

Course Overview

Description
In this course students integrate the physiological, psychological, spiritual, developmental and socio-cultural dimensions of adults as they study nursing in the context of uncertain and complex clinical environments. Students will use previous medical surgical nursing knowledge and builds skill sets as they prepare to enter the nursing professions as a new graduate nurse. Students will work one on one with an agency preceptor in a specialty of interest. Prerequisite: NR 416. Grade of C+ or higher. Corequisite: NR 421L.

Semester Credits

	Maximum Variable Credits:
3	-

NR421L - Coordinator of Care Practicum

Course Overview

Description
In this final undergraduate clinical practicum, students demonstrate achievement of knowledge and skills in nursing practice as they enter into professional practice. Clinical experience includes practice under the guidance of an agency preceptor. Students integrate knowledge and skills from the humanities and basic, behavioral, social leadership and nursing sciences in developing the professional role in selected adult and pediatric health environments. Learning experiences allow students to gain confidence; practice critical thinking, leadership and ethical decision making in clinical situations. 168 Clinical hours. Restriction: Nursing majors or Director permission. Corequisite NR 421.

Semester Credits

	Maximum Variable Credits:
4	-

NR431 - Promoting Health in Communities

Course Overview

Description
In this course students learn current theory and research about contemporary practices in community/public health nursing. In population-focused nursing, the group, aggregate, community, or population is the unit of care. Epidemiologic studies have shown that lifestyle, environmental and genetic factors are major determinants of population health. Students will work collaboratively with community agencies to address population-focused health issues. Prerequisite: NR 316. Grade of C+ or higher. Restriction: Nursing majors or Director Permission.

Semester Credits

	Maximum Variable Credits:
3	-

NR431L - Promoting Health in Communities: Clinical Practicum

Course Overview

Description
In this course, students will apply concepts of community/public health in providing population-focused care to groups, aggregates, and communities. Clinical experiences are coordinated in a variety of settings and require students to engage with individual agencies and in collaboration with community partners in addressing community/public health issues. Students are encouraged to clarify their own beliefs and values in order to provide nonjudgmental nursing care. Restriction: Nursing majors. Corequisite: NR 431.

Semester Credits

	Maximum Variable Credits:
2	-

NR441 - Nursing Capstone

Course Overview

Description
In this course the student begins to transition to the role of graduate nurse and explores issues relevant to contemporary nursing practice including the ethics and regulation of practice. Local, state, national and international policies and initiatives and their influence on health of populations are examined. Students create and implement an approved capstone leadership project which is undertaken with guidance of faculty and clinical partners and reflects integration of all elements of the BSN curriculum. 2 Lecture hours and 2 leadership seminar project hours. Prerequisites: NR 225, NR 416. Grade of C+ or higher. Restriction: Nursing majors or Director permission.

Semester Credits

	Maximum Variable Credits:
4	-

NR488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NR499 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	4

NR505 - Advanced Physical Assessment and Diagnostic Reasoning

Course Overview

Description
This introductory course is tailored for graduate nursing students, emphasizing advanced skills required for comprehensive physical assessment and diagnostic reasoning. Students will refine their abilities to perform detailed patient evaluations, interpret clinical findings, and develop precise differential diagnoses. The course highlights the development of critical thinking and decision-making skills crucial for effective patient care. Prerequisites: None. Corequisites: NR 505L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
4	-

NR505L - Advanced Physical Assessment and Diagnostic Reasoning Clinical

Course Overview

Description
This clinical course is designed for graduate nursing students, focusing on advanced skills necessary for comprehensive physical assessment and diagnostic reasoning. Students will refine their abilities to conduct thorough patient evaluations, interpret clinical findings, and formulate accurate differential diagnoses through hands-on clinical practice. Emphasis is placed on developing critical thinking and decision-making skills essential for effective patient care in real-world clinical settings. This course includes the completion of 50 clinical hours. Prerequisites: None. Corequisite: NR 505. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	-

NR514 - Epidemiology and Population Health

Course Overview

Description
This course provides a foundation of key concepts essential to population-focused healthcare professionals, the aggregate, community or population as the unit of care. The focus of the course is on health promotion/disease prevention with emphasis on the advanced role of healthcare professionals in clinical prevention of disease and care of populations. Applying concepts of primary, secondary, and tertiary health promotion across the lifespan, the student relates the basic concepts of epidemiology to multiple domains of population health, using epidemiology to better understand, characterize and promote health at a population level. Disease prevention and health promotion of populations are examined through the study of the occurrence and distribution of health-related states or events, including the study of social determinants of health.

Semester Credits

	Maximum Variable Credits:
3	-

NR523 - Healthcare Systems Leadership and Advanced Healthcare Professional Role

Course Overview

Description
This course examines the healthcare system and guides students to assess and analyze the healthcare system in the context of advanced practice healthcare professional and the role of advanced practice healthcare professionals. The student explores organizational and system science, change theories and social change theories in its application to healthcare. Healthcare leadership including theory and styles as well as contemporary approaches, ethical practice and leadership strategies are examined. Inter/intra professional communication, teamwork, consultation, diversity and collaboration are discussed as cornerstones for patient safety, optimal health outcomes and accountability in health care. The student analyzes and evaluates the intersection of current and emerging healthcare system challenges and advanced practice role dimensions.

Semester Credits

	Maximum Variable Credits:
3	-

NR524 - Health Policy Advocacy and Economics in Healthcare

Course Overview

Description
This course examines healthcare delivery in the United States, to include the role of public policy, advocacy, and industry regulation. Health policy perspectives and the analytical tools to understand the national policy-making environment are integrated throughout the course. Key policy issues and core constructs for analysis include national health expenditures and cost containment strategies, patient access and health disparities, health care quality and performance improvement, and workforce policy. Health care reform, future directions and trends, and policy innovations are examined for their impact on advanced nursing practice, service delivery, and health outcomes. Health systems of other developed and developing countries are examined to gain a global perspective and appreciation for a variety of health system attributes. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

NR533 - Quality Improvement and Patient Safety

Course Overview

Description
This course provides students with an overview of the fundamentals of quality improvement and a foundation in healthcare quality. Students are first introduced to the course content through a historical perspective on quality improvement and the current quality landscape. The methods and tools for quality improvement, measurement in healthcare quality and safety, culture of safety principles, and standards related to quality are then examined. As nurse leaders, it is important we understand culture and leadership, and how to create an environment conducive to healthcare quality and patient safety. In this part of the course, we examine human factors, high reliability organizations and principles of a just culture of safety. To complete the course content, we explore emerging trends and innovations to improve quality and patient safety.

Semester Credits

	Maximum Variable Credits:
3	-

NR534 - Informatics and Healthcare Technologies

Course Overview

Description
This course reviews concepts important to implementing and sustaining effective use of technology in the clinical environment. Security and privacy for the protection of privileged information, effective policy development, testing and implementation are examined. Concepts of change management as well as informatics role in community/population health monitoring and management are explored. The student studies the use of technology to generate new evidence, the potential influence of emerging technologies on clinical practice and the importance of developing a caring practice in a high technology environment.

Semester Credits

	Maximum Variable Credits:
3	-

NR548 - Advanced Pathophysiology

Course Overview

Description
This course examines pathophysiological processes integral to the understanding of human health conditions and disorders across the lifespan. Objective and subjective manifestations of common health problems resulting from environmental, genetic, and stress-related maladaptation are assessed and analyzed. Assessment findings, diagnostic testing, and interventions for specific health problems are discussed. The etiology, epidemiology, and pathophysiology of disorders are reviewed within the context of age, gender, lifestyle and sociocultural determinants.

Semester Credits

	Maximum Variable Credits:
3	-

NR552 - Advanced Pharmacology

Course Overview

Description
Builds the understanding of fundamental pharmacological principles, including pharmacokinetics, pharmacodynamics, drug metabolism, and dose-response relationships and includes the study of major pharmacological classes related to common disease processes. The course explores the major pharmacological drug classes and their application to the principles of therapeutic decision-making, including legal and ethical implications.

Semester Credits

	Maximum Variable Credits:
3	-

NR553 - Advanced Physical Assessment

Course Overview

Description
This course builds upon basic health assessment and guides the student to obtain a complete and accurate health assessment, including history, physical examination, and commonly used screening tools, as a foundation for advanced nursing practice with clients across the lifespan. The course emphasizes critical analysis and synthesis of physical exam data, relevant health history data, critical risk appraisal of the physical and mental status, assessment of nutrition, and anticipatory guidance relevant to health promotion and disease prevention. At the conclusion of the course, the student will utilize distance learning technology to demonstrate a comprehensive physical health assessment. Prerequisites: NR 548, NR 552. Concurrently with NR 590 or NR 591 or NR 592.

Semester Credits

	Maximum Variable Credits:
3	-

NR557 - Strategic Planning and Practice Applications in Nursing Informatics

Course Overview

Description
Builds on the theoretical foundations in prior courses, examines the practice applications related to strategic planning and implementation of an informatics system in a healthcare organization. Topics include an overview of data analytics, facilitating and assessing learning in non-academic healthcare settings. Will examine a number of factors that impact the success of a system implementation while considering technical standards, system analysis concepts and data management. A mentored practicum of 100 hours is required to complete experiential learning assignments for the Nursing Informatics project. The practicum experience introduces the student to specialized roles in that support improved patient outcomes and the opportunity to develop reflective practices and appreciative inquiry.

Semester Credits

	Maximum Variable Credits:
6	-

NR559 - Curriculum Development in Nursing

Course Overview

Description
In this course the student focuses on the relationship between institutional vision, mission and values on curriculum design, development and revision within the context of a curriculum that is relevant, evidence-based and unified. The theoretical foundations, essential components and accreditation standards for curriculum development for a pre-licensure program are examined. The role of outcome competencies is addressed in the development and evaluation of an educational program to meet contemporary healthcare needs. Models of systematic program evaluation or other outcome standards will be analyzed. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR564 - Innovations in Teaching and Learning

Course Overview

Description
This course prepares the student to apply theoretical concepts related to how adults learn and how teachers teach to prepare students with highly developed critical thinking skills to meet the demands of complex nursing practice in the contemporary healthcare environment. The course includes emphasis on adult learners, the self as the teacher and the teacher and learner characteristics that support successful learning. Principles of teach and learning, critical thinking applied to the variety of learning environments including simulation, distance learning and the clinical setting and the use of technology are explored as well as teaching methods in the cognitive, Affective and psychomotor domains of learning. Prerequisite: NR 559. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR565 - Assessment and Evaluation Strategies

Course Overview

Description
Course focuses on the assessment, measurement and evaluation of learning outcomes as measures of learner progress and program quality. Content includes foundations of educational measurement and evaluation, development of learner performance outcomes for clinical practice, test construction and clinical performance evaluation tools, critical thinking, values and ethics related to educator role. The student examines continuous quality improvement of education programs using standards from external professional bodies and accreditation agencies. Prerequisite: NR 564, may be taken concurrently. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR566 - Strategic Planning and Management in Healthcare

Course Overview

Description
NR 566 is the capstone for the Master of Science in Nursing program, concentration in Healthcare Systems Leadership. The seminar emphasizes strategic planning in healthcare, business planning and conceptual analysis of role. Discussion focuses on the acquisition of knowledge, skills and abilities (KSA) for strategic planning and for practice as a nurse leader across traditional and non-traditional healthcare settings. This capstone experience is designed so that students may apply the necessary KSA learning throughout the graduate program to guide his/her future career development. The student participates in a mentored practicum of 100 hours. This practicum experience supports the student in integrating learned knowledge, skills and abilities in the health care environment as well as develop reflective practices and appreciative inquiry.

Semester Credits

	Maximum Variable Credits:
6	-

NR567 - Using Informatics to improve Nursing Practice

Course Overview

Description
Reviews concepts that are important to implementing and sustaining effective use of technology in the clinical environment. Security and privacy for the protection of privileged information, effective policy development, testing and implementation are examined. Concepts of change management as well as informatics role in community/population health monitoring and management are explored. Studies the use of technology to generate new evidence, the potential influence of emerging technologies on clinical practice and the importance of developing a caring practice in a high-technology environment. A mentored practicum of 100 hours is required to gain experiential learning as a part of the Nursing Informatics project. The practicum experience introduces the student to specialized roles in that support improved patient outcomes and the opportunity to develop reflective practices and appreciative inquiry.

Semester Credits

	Maximum Variable Credits:
6	-

NR568 - Nursing Education Practicum

Course Overview

Description
This course focuses on preparing the student to expand on the baccalaureate nursing foundation and advance knowledge to gain expertise in a specific nursing practice. The student will complete a mentored clinical practicum to achieve professional, specialty, and course-related objectives. This direct care practicum experience will provide the student an opportunity to synthesize learned concepts to apply the nursing process to improve patient outcomes. Additionally, students establish nurse education practicum goals and objectives and are required to obtain a nurse educator mentor. The practicum involves application of previously learned concepts through teaching in both the clinical and classroom environments. Restriction: Open to Graduate Students in the Nursing Education Track of the MSN Program. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR570 - Community Health Nursing - Principles and Practices

Course Overview

Description
This course explores the foundational principles and practices of community health nursing. Students will learn about the role of the nurse in promoting and protecting the health of populations, focusing on health promotion, disease prevention, and the management of chronic conditions. Emphasis is placed on understanding the social determinants of health and developing skills in community assessment, program planning, and evaluation. Corequisites: NR 570L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR570L - Community Health Nursing - Principles and Practices Practicum

Course Overview

Description
This practicum provides hands-on experience in community health nursing. Students will apply theoretical knowledge from NR 570 in real-world settings, working with diverse populations to assess community health needs, plan and implement interventions, and evaluate outcomes. 100 practicum hours. Corequisites: NR 570. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR575 - Family and Community Health Nursing

Course Overview

Description
This course examines the interplay between family and community health. Students will explore the dynamics of family health across the lifespan, emphasizing the nurse's role in supporting family health within the broader community context. Topics include family assessment, health promotion, and disease prevention strategies. Prerequisites: Grade of B or higher in: NR 570, NR 570L. Corequisites: NR 575L. Offered: Fall, Spring, Summer.

Semester Credits

3

Maximum Variable Credits:
-

NR575L - Family and Community Health Nursing Practicum

Course Overview

Description
In this practicum course, students apply theoretical concepts from NR 575 in clinical settings, focusing on family and community health nursing. Students will work directly with families and community groups to promote health and manage health conditions. 100 practicum hours. Prerequisites: Grade of B or higher in: NR 570, NR 570L. Corequisites: NR 575. Offered: Fall, Spring, Summer.

Semester Credits

2

Maximum Variable Credits:
-

NR577 - Global Health Nursing

Course Overview

Description
This course provides an overview of global health issues and the role of nursing in addressing these challenges. Students will explore global health disparities, the impact of globalization on health, and strategies for improving health outcomes worldwide. Emphasis is placed on cultural competence and ethical considerations in global health nursing. Prerequisites: Grade of B or higher in: NR 570, NR 570L, NR 575, NR 575L. Corequisites: NR 577L. Offered: Fall, Spring, Summer.

Semester Credits

3

Maximum Variable Credits:
-

NR577L - Global Health Nursing Practicum

Course Overview

Description
This practicum offers students the opportunity to gain practical experience in global health nursing. Students will engage in health initiatives in international or underserved settings, applying knowledge from NR 577 to address global health challenges. 100 practicum hours. Prerequisites: Grade of B or higher in: NR 570, NR 570L, NR 575, NR 575L. Corequisites: NR 577. Offered: Fall, Spring, Summer.

Semester Credits

2

Maximum Variable Credits:
-

NR581 - Leadership in Healthcare Systems

Course Overview

Description
Students explore organizational science and its application to healthcare and analyze the principles of leadership and leadership science including theory, styles as well as contemporary approaches and strategies. The course emphasizes system science and integration, change theory and social change theories, and healthcare systems and organizational relationships. The student has the opportunity to address an organization's challenges specific to healthcare delivery within the contemporary financial and social environment. Offered: Fall, Winter, Spring, Summer.

Semester Credits

3

Maximum Variable Credits:
-

NR582 - Healthcare Resource Management

Course Overview

Description
Students examine the critical aspects of human resource management in the context of healthcare systems. Human resource management includes confronting the nursing shortage through recruitment and retention, staffing management, performance appraisal and marketing. Prevention of workplace violence and disaster preparedness are also explored as opportunities and challenges for nurse leaders in managing the healthcare workforce. Students additionally explore aspects of finance in managing healthcare systems budgets related managing the healthcare workforce. Calculation of revenue, expenses, direct and indirect costs as well as cost benefit calculations are considered. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR585 - Strategic Planning in Healthcare

Course Overview

Description
This course emphasizes strategic planning in healthcare, business planning and conceptual analysis of role. Discussion focuses on the acquisition of knowledge, skills and abilities for strategic planning and for practice as a nurse leader across traditional and non-traditional healthcare setting. Prerequisite: NR 582.

Semester Credits

	Maximum Variable Credits:
3	-

NR586 - The Nurse Leader's Role in Healthcare Systems

Course Overview

Description
This practicum experience expands and refines the leadership and management skills related to the administrative nurse leader role. Working with a nurse leader acting as a manager/administrator in a selected care environment, the student focuses their chosen leadership role with a focus on quality, risk management and processes of managing health care delivery. The student attends agency organization and management meetings and works collaboratively to design and create a health care project appropriate to the student's practice setting. Prerequisite: NR 582.

Semester Credits

	Maximum Variable Credits:
3	-

NR588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NR590 - Advanced Pharmacology - Population Focus: Family

Course Overview

Description
This course builds on principles of advanced pharmacology and provides a comprehensive overview of major drug classifications in relation to children and families. The effects of selected medications on pathophysiology with considerations of age are examined. The student explores clinical decision making, evidence-based prescribing and safety, dose response, side effects/drug interactions, and use of medication in the overall plan of care for populations across the lifespan. Prerequisites: NR 548, NR 552. Corequisite: NR 553.

Semester Credits

	Maximum Variable Credits:
2	-

NR591 - Advanced Pharmacology-Population Focus: Acute Care Adult Gerontology

Course Overview

Description
This course builds on knowledge of the basic principles of pharmacology to establish a knowledge base for clinical judgments in the pharmacologic management and evaluation of adults and older adults as related to the role of Adult-Gerontology Acute Care Nurse Practitioners. Major medication classifications and commonly encountered prototype(s) within specialty areas will serve as a framework for continued learning of new pharmacologic information as it relates to acute care of adults and older adults. Drug interactions, incompatibilities, side effects, contraindications and special considerations are discussed. Prerequisites: NR 548, NR 552. Corequisite: NR 553.

Semester Credits

	Maximum Variable Credits:
2	-

NR592 - Advanced Pharmacology Population Focus PMHNP

Course Overview

Description
This course builds on principles of advanced pharmacology and provides a comprehensive overview of major drug classifications in relation to mental health diagnoses and treatment across the lifespan. The effects of selected medications on pathophysiology and psychopathology are examined. The student explores clinical decision making, evidence-based prescribing and safety, dose response, side effects/drug interactions, and use of medication in the overall plan of care for populations with mental health problems. Prerequisites: NR 548, NR 552. Corequisite: NR 553.

Semester Credits

	Maximum Variable Credits:
2	-

NR593 - Advanced Healthcare Professional Research and Evidence Based Practice

Course Overview

Description
This course focuses on the use of the research process in developing new healthcare professional knowledge and applying that to an evidence-based practice. The student examines and develops research questions, considers theoretical frameworks, methods of data collection and analysis, and the interpretation and use of study findings in providing evidence-based care of individuals, families, and communities. The importance of scientific integrity and ethical standards are emphasized and ethical issues in the conduct of research are explored. The student is prepared to critically appraise and utilize research and identify researchable problems within the context of his/her own practice.

Semester Credits

	Maximum Variable Credits:
3	-

NR598 - Graduate Nursing Intensive A

Course Overview

Description
This in person (residency) experience is designed for graduate nursing students to integrate and apply their knowledge from Advanced Pathophysiology, Advanced Pharmacology, and Advanced Physical Assessment and Diagnostic Reasoning. Through hands-on experiences, assessments, and interdisciplinary collaboration, students will enhance their clinical decision-making skills and proficiency in managing complex patient cases. This immersive course bridges theoretical knowledge and practical application, allowing for students to demonstrate competency in the Level A Objectives. Prerequisites: Grade of B or higher in: NR 548, NR 552, NR 505, NR 505L. Corequisites: None. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
0	-

NR600 - Adult Health Promotion Diagnosis and Management

Course Overview

Description
This course employs realistic clinical scenarios to enhance clinical decision-making skills in the context of adult health. Emphasizing fundamental concepts in advanced nursing practice, students will integrate theoretical knowledge with practical application to assess, diagnose, and manage common health conditions in adult patients. Through case-based learning, students will develop proficiency in evidence-based practice, critical thinking, and ethical decision-making relevant to adult health promotion and management. Prerequisites: Grade of B or higher in: NR 548, NR 552, NR 505, NR 505L, NR 598. Corequisites: None. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR601 - Population Health

Course Overview

Description
This course explores foundational concepts of population health for graduate nursing students. Students will examine the interrelated concepts of population health and policy, collaboration with stakeholders, and advocacy for equitable healthcare. Additionally, this course introduces students to population health data analysis, policy evaluation, and ethical considerations to influence healthcare outcomes. Prerequisites: None. Corequisites: None. Offered: Fall, Spring Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR602 - Fundamentals of Mental Health Assessment and Diagnosis

Course Overview

Description
This course provides the foundational principles of mental health assessment and diagnosis for common mental health disorders. Students will learn to gather comprehensive patient information essential for the formulation of differential diagnoses and understanding the diagnostic process. By the end of this course, students will be prepared to utilize fundamental assessment and diagnostic skills for future application in the clinical setting. Prerequisites: Grade of B or higher in: NR 548, NR 552, NR 505, NR 505L, NR 598. Corequisites: None. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR603 - Person Centered Care for Advanced Nursing Practice

Course Overview

Description
This course focuses on developing advanced competencies in care coordination, transitions of care, and communication to optimize patient outcomes. Using empathy, compassion, and holistic approaches, students will learn to identify gaps in care, synthesize outcome data for evidence-based practice, and foster community partnerships to support self-care management. The course prepares students to lead interprofessional teams and deliver person-centered care within the full scope of nursing practice. Prerequisites: None. Corequisites: None. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR605 - Concepts of Reproductive Health

Course Overview

Description
This course provides nurse practitioner students with an overview of the provision and delivery of sexual and reproductive healthcare. With an emphasis on inclusivity and cultural competence, students will learn to address the unique needs of diverse populations. By the end of the course, students will be equipped with the fundamental knowledge necessary for the provision of sensitive and inclusive reproductive care. Prerequisites: Grade of B or higher in: NR 548, NR 552, NR 505, NR 505L, NR 598, NR 600. Corequisites: None. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR610 - Found Child Adolescent Health

Course Overview

Description
This course prepares nurse practitioner students to practice in pediatric settings with a focus on the application of comprehensive health assessments, diagnostic reasoning, and tailored treatment plans for patients ranging from infancy through adolescence. Integrating knowledge of Advanced Physical Assessment and Diagnostic Reasoning, Advanced Pathophysiology, and Advanced Pharmacology, emphasis is placed on designing health promotion and disease prevention strategies to optimize health outcomes in the pediatric setting. By the end of the course, students will have developed a fundamental understanding of the role of the advanced practice nurse in treating pediatric patients. Prerequisites: Grade of B or higher in: NR 600, NR 601, NR 603, NR 605. Co-requisites: None. Offered: Fall, Spring, Summer

Semester Credits

	Maximum Variable Credits:
3	-

NR611 - Family Nurse Practitioner I - Adult

Course Overview

Description
The course is designed to facilitate student achievement of the competencies required of a practicing primary care provider in the family practice setting. The course focuses on the assessment and management of acute and chronic health care challenges for the adult patient. Learning resources include assigned readings textbook, scholarly articles, and relevant online resources; case studies engagement within course discussion assignments, interactive resource websites, and digital clinical experiences and simulations; reflection activities; quizzes and exams.Prerequisites: NR 553, NR 590. Corequisites: NR 612.

Semester Credits

	Maximum Variable Credits:
2	-

NR612 - FNP-I Adult Clinical

Course Overview

Description
A clinical experience to advance proficiency in comprehensive health evaluation across the lifespan within the context of family, community, and culture. A minimum of 165 clinical hours are required. Students will work with a variety of preceptors including family, adult or geriatric nurse practitioners, and primary care physicians. Prerequisite: NR 553, NR 590. Corequisite: NR 611.

Semester Credits

	Maximum Variable Credits:
2	-

NR613 - Family Nurse Practitioner II (Older Adult)

Course Overview

Description
Prepares for advanced practice as an FNP caring for the older adult in primary care. The student will learn through engagement in asynchronous class lectures, interactive discussion boards, and case studies. Participation in patient advocacy; health promotion; disease prevention; and physical, functional, and mental health assessment and management are discussed. Emphasis is placed on age-related changes, holistic, culturally, and developmentally sensitive assessment, and management of common acute and chronic health conditions encountered in the primary care of the older adult. Integration of knowledge of pathophysiology, pharmacotherapeutics, and physical assessment of older adults' common chronic health conditions will allow the advanced practice nurse to develop skills and attitudes necessary to provide evidence-based care to the older adult through the life span in the primary care setting. Prerequisites: NR 611, NR 612. Corequisite: NR 614.

Semester Credits

	Maximum Variable Credits:
2	-

NR614 - FNP-II Older Adult Clinical

Course Overview

Description
The FNP II clinical experience advances the students proficiency in comprehensive health evaluation across the lifespan within the context of family, community, and culture. A minimum of 165 clinical hours are required during the term. Students will work with a variety of preceptors including family, adult or geriatric nurse practitioners, and primary care physicians. Prerequisites: NR 611, NR 612, Corequisite: NR 613.

Semester Credits

	Maximum Variable Credits:
2	-

NR615 - Family Nurse Practitioner III (Pediatrics

Course Overview

Description
NR 615 is designed to enable the student to integrate the theoretical components of pediatric primary care nursing at an advanced level. The course incorporates the student's application of clinical knowledge and skills to the delivery of primary pediatric health nursing. In addition to considering a developmental context for overall pediatric well assessment, a systems approach will be integrated to highlight the common health problems encountered by the FNP in a primary care pediatric setting. Use of a digital clinical experience software to engage the learner as well as exams and case studies will be used to assist the learning process. Prerequisites: NR 613, NR 614, Corequisite: NR 616.

Semester Credits

	Maximum Variable Credits:
2	-

NR616 - FNP-III Pediatrics Clinical

Course Overview

Description
A clinical experience building upon previous clinical experience to advance proficiency in comprehensive health evaluation, diagnosis, and treatment across the lifespan within the context of family, community, and culture. Patients during this practicum should be 18 years and under. A minimum of 165 clinical hours are required. Students will work with a variety of preceptors including family or pediatric nurse practitioners, and primary care physicians or pediatricians. Prerequisites: NR 613, NR 614, Corequisite: NR 615.

Semester Credits

	Maximum Variable Credits:
2	-

NR617 - Family Nurse Practitioner IV-Reproductive Health

Course Overview

Description
This course is the final didactic course in the FNP track. During this course, the student examines essential competencies necessary to provide primary health care to patients and families of diverse populations focusing on the reproductive healthcare of men, women and transgender clients. Understanding the development and cultural needs of patients across the lifespan in a primary health setting are emphasized. Through a variety of learning activities, the student will be engaged in the content to understand health promotion and disease prevention as well as preventative and acute care issues. Prerequisites: NR 615, NR 616, Corequisite: NR 618.

Semester Credits

	Maximum Variable Credits:
2	-

NR618 - Family Nurse Practitioner IV Clinical-Reproductive Health

Course Overview

Description
A clinical experience to advance proficiency in comprehensive health evaluation across the lifespan within the context of family, community, and culture. A minimum of 165 clinical hours are required. Students will work with a variety of preceptors including family, adult or geriatric nurse practitioners, and primary care physicians. Prerequisites: NR 615, NR 616, Corequisite: NR 617.

Semester Credits

	Maximum Variable Credits:
2	-

NR620 - Primary Care Across the Lifespan

Course Overview

Description
This course prepares nurse practitioner students with the advanced skills and knowledge necessary to provide a wide range of primary care services to patients across the lifespan. Emphasizing evidence-based practices and interprofessional collaboration, students will learn to diagnose and treat a variety of conditions in the primary care environment. By the end of the course, students will be prepared to apply specialized knowledge to the clinical setting. Prerequisites: NR 600, NR 605, NR 610 and NR 658. Grade of B or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

NR621 - Adult Geriatric Acute Care I

Course Overview

Description
The first AGACNP didactic course engages students in the development of a theoretical, practical, and evidence-based foundation for advanced practice nursing in the diagnosis and management of common episodic and chronic dysfunctions/alterations. Through knowledge acquisition and integration, students advance the proficiency needed for comprehensive health evaluation in patient/family assessment and developing, implementing and evaluating an individualized management plan when caring for adult and older adult patients across the continuum of acute care services. The context of age-related considerations; family and community; and culture are emphasized. Prerequisites: NR 553, NR 591, Corequisite: NR 622.

Semester Credits

	Maximum Variable Credits:
2	-

NR622 - Adult Geriatric Acute Care 1 Clinical

Course Overview

Description
The AGACNP clinical experience advances the student's proficiency in comprehensive health evaluation across the adult lifespan for patients with acute, critical, complex conditions within the context of family, community, and culture. A minimum of 165 clinical hours are required. Students will work with a variety of preceptors including adult gerontological acute care nurse practitioners and acute care physicians. Prerequisites: NR 553, NR 591, Corequisite: NR 621.

Semester Credits

	Maximum Variable Credits:
2	-

NR623 - Adult Geriatric Acute Care II

Course Overview

Description
Grounded in theory and evidence-based practice the second of four didactic adult gerontology acute care courses develops the students' clinical foundation of advanced practice nursing management of complex and comorbid health care problems common to adult and geriatric patients and builds upon the student's proficiency in comprehensive health evaluation within the context of acute care disease management of the adult and geriatric population. Through knowledge acquisition and integration, students advance the proficiency needed for comprehensive health evaluation in patient/family assessment and developing, implementing and evaluating an individualized management plan when caring for adult and older adult patients across the continuum of acute care services. The context of age-related considerations; family and community; and culture are emphasized.Prerequisites: NR 621, NR 622, Corequisite: NR 624.

Semester Credits

	Maximum Variable Credits:
2	-

NR624 - Adult Geriatric Acute Care II Clinical

Course Overview

Description
A clinical experience to advance proficiency in comprehensive health evaluation across the adult lifespan for patients with acute, critical, complex conditions within the context of family, community, and culture. The emphasis is on the integration of theory, assessment and advanced therapeutics for adults and frail elders in high acuity patient settings. A minimum of 165 clinical hours are required. Students will work with a variety of preceptors including acute gerontology nurse practitioners, and acute care physicians. This course fosters clinical competency and emphasizes evidence-based practice in adults. Prerequisites: NR 621, NR 622. Corequisite: NR 623.

Semester Credits

	Maximum Variable Credits:
2	-

NR625 - Adult Geriatric Acute Care III

Course Overview

Description
This AGACNP third specialty track didactic course focuses on the high acuity medical and surgical issues of adults and older adults and examines the epidemiology, assessment, diagnosis, management, and evaluation of acutely or critically ill adults across the adult-older adult age spectrum. Using problem-based and self-directed learning strategies, acute and emergent disorders of the physiologic systems are presented and build on the information presented in the prior didactic courses. Emphasis is placed on using evidence-based practice to formulate individualized plans of care and developing collaborative partnerships with patients, their families, and inter-professional teams. Prerequisites: NR 623, NR 624, Corequisite: NR 626.

Semester Credits

	Maximum Variable Credits:
2	-

NR626 - Adult Geriatric and Acute Care III Clinical

Course Overview

Description
The AGACNP III clinical experience advances the student's proficiency in comprehensive health evaluation across the adult lifespan for patients with acute, critical, complex conditions within the context of family, community, and culture. The emphasis is on the integration of theory, assessment and advanced therapeutics for adults and frail elders in the highest acuity emergent patient settings. A minimum of 165 clinical hours are required. Students will work with a variety of preceptors including adult gerontological acute care nurse practitioners and acute care physicians. Prerequisites: NR 623, NR 624, Corequisite: NR 625.

Semester Credits

	Maximum Variable Credits:
2	-

NR627 - Adult Geriatric Acute Care IV

Course Overview

Description
This fourth didactic course serves as the final synthesis of evidence-based theory and research related to care of acute, complex and critically ill adult and older adult patients with a focus on integration of the critical thinking and psychomotor skills necessary to achieve advanced practice nursing core competencies for AGACNP practice, Students continue to build on prior knowledge and synthesize data from a variety of health resources related to the care of the acutely ill patient. Utilizing a systems framework, students further develop appropriate clinical judgment and decision-making skills regarding appropriate recommendations and treatments related to alterations in different systems with an emphasis on considering context while providing risk reduction. Emphasis is placed on using evidence-based practice to formulate individualized plans of care and developing collaborative partnerships with patients and their families. Prerequisites: NR 625, NR 626, Corequisite: NR 628.

Semester Credits

	Maximum Variable Credits:
2	-

NR628 - Adult Geriatric Acute Care IV Clinical

Course Overview

Description
This fourth clinical course includes culmination and transition experiences to independent-interdependent practice and build upon the Adult Gerontological Acute Care Nurse Practitioner (AGACNP) expertise. The AGACNP IV advances the student's proficiency in comprehensive health evaluation across the adult lifespan within the context of family, community and culture. A minimum of 165 clinical hours in an adult acute/critical and/or chronic health care setting are required. Students will work with a variety of preceptors including: adult gerontological acute care nurse practitioners, and acute care physicians. Prerequisites: NR 625, NR 626, Corequisite: NR 627.

Semester Credits

	Maximum Variable Credits:
2	-

NR631 - Psychiatric and Mental Health I

Course Overview

Description
This course studies the major presentations of mental illness, clinical theory, and the use of the DSM V in diagnosing and treatment decisions for clients across the lifespan. Utilizing self directed learning activities, emphasis is placed on assessment of pathology in mental health, history taking, mental status evaluation, differential diagnosis, documentation of care, and evaluation of the treatment of psychiatric mental health care to patients across the lifespan. Prerequisites: NR 592, NR 553, Corequisite: NR 632.

Semester Credits

	Maximum Variable Credits:
2	-

NR632 - Psychiatric and Mental Health Clinical I

Course Overview

Description
This clinical course provides the foundational intensive practical experience in the psychiatric and mental health nurse practitioner (PMHNP) role. A minimum of 165 clinical hours are required. Preceptors will guide and direct the PMHNP students as they apply evidence-based practice concepts and develop expertise in assessing, diagnosing and developing treatment plans in the mental health care of family and adult population. Students will work with a variety of preceptors including psychiatric mental health nurse practitioners and psychiatrists. Prerequisites: NR 592, NR 553, Corequisite: NR 631.

Semester Credits

	Maximum Variable Credits:
2	-

NR633 - Psychiatric and Mental Health II

Course Overview

Description
A continuation of Psychiatric and Mental Health NP I, this didactic course examines the theory of individual, family and group therapy techniques applicable across the lifespan, cross-cultural and problem-focused. The course further examines a selection of evidence-based theories of individual, group and family psychotherapy. The course studies the major presentations of mental illness, clinical theory, and the use of the DSM V in diagnosing and treatment decisions for clients across the life span. Utilizing self-directed learning activities, emphasis is placed on assessment of pathology in mental health, history taking, mental status evaluation, differential diagnosis, treatment, documentation of care, and evaluation of the treatment of psychiatric mental health care to clients across the lifespan. Legal and ethical considerations of therapy are considered. Prerequisites: NR 631, NR 632, Corequisite: NR 634.

Semester Credits

	Maximum Variable Credits:
2	-

NR634 - Psychiatric and Mental Health Clinical II

Course Overview

Description
This second clinical course provides intensive practical experience in the psychiatric and mental health nurse practitioner (PMHNP) role. A minimum of 165 clinical hours are required. Preceptors will guide and direct the PMHNP students as they apply evidence-based practice concepts and develop expertise in assessing, diagnosing and developing treatment plans in the mental health care of an adult population. Students will work with a variety of preceptors including psychiatric mental health nurse practitioners and psychiatrists. Prerequisites: NR 631, NR 632, Corequisite: NR 633.

Semester Credits

Maximum Variable Credits:

2

-

NR635 - Psychiatric and Mental Health NP III

Course Overview

Description

A continuation of Psychiatric and Mental Health NP II (NR633), this course continues to examine the major presentations of mental illness, clinical theory, and the use of the DSM V in diagnosing and treatment decisions for children and adolescents. The course further examines a selection of evidence-based theories of individual and family psychotherapy. Utilizing self directed learning activities, emphasis is placed on assessment and treatment of pathology in mental health, history taking, mental status evaluation, differential diagnosis, documentation of care, and evaluation of the treatment of psychiatric mental health care in children and adolescents. Prerequisites: NR 633, NR 634, Corequisite: NR 636.

Semester Credits

Maximum Variable Credits:

2

-

NR636 - Psychiatric and Mental Health Clinical III

Course Overview

Description

This third clinical course provides intensive practical experience in the psychiatric and mental health nurse practitioner (PMHNP) role. A minimum of 165 clinical hours are required. Preceptors will guide and direct the PMHNP students as they apply evidence-based practice concepts and develop expertise in assessing, diagnosing and developing treatment plans in the mental health care of children and adolescents. Students will work with a variety of preceptors including psychiatric mental health nurse practitioners and psychiatrists. Prerequisites: NR 633, NR 634, Corequisite: NR 635.

Semester Credits

Maximum Variable Credits:

2

-

NR637 - Psychiatric and Mental Health NP IV

Course Overview

Description

As the fourth and final didactic course in the PMHNP specialty track this course continues to examine the major presentations of mental illness, clinical theory, and the use of the DSM V in diagnosing and treatment decisions for older adults and families and builds upon the knowledge gained in the previous three didactic courses. This course further examines a selection of evidence-based theories of individual and family psychotherapy. Emphasis is placed on differentiating signs and symptoms for diagnosis and treatment and examines the effect of the illness on individuals and the family through the use of self-directed learning activities. Prerequisites: NR 635, NR 636, Corequisite: NR 638.

Semester Credits

Maximum Variable Credits:

2

-

NR638 - Psychiatric and Mental Health Clinical IV

Course Overview

Description
This fourth clinical course provides intensive practical experience in the psychiatric and mental health nurse practitioner (PMHNP) role. A minimum of 165 clinical hours are required. Preceptors will guide and direct the PMHNP students as they apply evidence-based practice concepts and develop expertise in assessing, diagnosing and developing treatment plans in the mental health care of older adults and families. Students will work with a variety of preceptors including psychiatric mental health nurse practitioners and psychiatrists. Prerequisites: NR 635, NR 636, Corequisite: NR 637.

Semester Credits

	Maximum Variable Credits:
2	-

NR642 - Nonpharmacological Approaches to Mental Health Care

Course Overview

Description
This course provides essential knowledge for nurse practitioners related to the various nonpharmacological modalities used in the treatment of mental health disorders. Topics explored in this course include various types of therapies, complementary and alternative treatments, as well as electroconvulsive therapy and transcranial magnetic stimulation. By the end of this course, students will be prepared to apply nonpharmacological treatment modalities to treatment planning processes upon entering the clinical setting. Pre-requisites: Grade of B or higher in: NR 598, NR 601, NR 602. Corequisites: None. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR645 - Chronic and Complex Care of the Adult

Course Overview

Description
This course prepares nurse practitioner students with the advanced skills and knowledge necessary to manage a wide range of chronic and complex issues in adults. Emphasizing evidence-based practices and interprofessional collaboration, students will learn to diagnose and treat a variety of conditions in the acute care environment. By the end of the course, students will be prepared to apply specialized knowledge to the clinical setting. Prerequisites: Grade of B or higher in all of: NR 600, NR 605, NR 650, NR 658. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

NR648 - Psychopharmacology

Course Overview

Description
This course is designed to deepen the understanding of psychopharmacological principles and enhance clinical decision-making skills for nurse practitioner students. The course will explore the pharmacokinetics and pharmacodynamics of psychotropic medications, the neurobiological basis of mental health disorders, and evidence-based treatment strategies. Students will learn to assess, prescribe, and manage medication therapies for a variety of psychiatric conditions. Emphasis will be placed on understanding individual patient needs, managing side effects, and integrating psychopharmacology into holistic patient care. Prerequisites: NR 598, NR 602 and NR 642. Grade of B or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR650 - Acute and Emergency Care of the Adult

Course Overview

Description
This course is designed for nurse practitioner students focusing on the acute and emergency care of adults. It provides a comprehensive overview of critical conditions across various body systems, emphasizing rapid assessment, advanced clinical decision-making, and evidence-based interventions. Students will gain an enhanced ability to deliver high-quality, person-centered care in acute and emergency settings. Prerequisites: NR 598, NR 600 and NR 605. Grade of B or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR655 - Mental Health Care Across the Lifespan

Course Overview

Description
This course prepares nurse practitioner students with the advanced skills and knowledge necessary to provide a wide range of psychiatric/mental health services to patients across the lifespan. Emphasizing evidence-based practices and interprofessional collaboration, students will learn to diagnose and treat a variety of mental health conditions. By the end of the course, students will be prepared to apply specialized knowledge to the clinical setting. Prerequisites: Grade of B or higher in all of: NR 602, NR 642, NR 648 and NR 658. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

NR658 - Professional Identity in Advanced Nursing Roles

Course Overview

Description
This course focuses on developing a strong professional identity and understanding the scope of practice in advanced nursing roles. Students will explore leadership, advocacy, and ethical principles to promote health, well-being, and social justice in healthcare settings. Emphasizing the full utilization of the advanced nurse's scope of practice, the course covers the evaluation of workplace environments, legal and regulatory impacts, and strategies for continuous professional growth. Through reflection and active participation, students will strengthen their ability to lead and innovate within the nursing profession, ensuring optimal care outcomes. Prerequisites: None. Corequisites: None. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR670 - Found Healthcare Leadership Seminar

Course Overview

Description
This course provides Clinical Nurse Leader (CNL) students with an introduction to the role of the CNL. Emphasizing the integration of ethical frameworks, the course explores the principles of social justice, health equity, and the social determinants of health. The course covers the effective use of data analytics and healthcare technologies to identify gaps in care, drive quality improvement, and promote equitable healthcare delivery. Students will learn to design and implement evidence-based, patient-centered interventions that address healthcare disparities and improve quality outcomes. Through a focus on interprofessional collaboration, students will develop the skills needed to lead teams in making decisions that enhance patient care and outcomes. Prerequisites: None. Co-requisites: NR 670L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR670L - Foundations of Healthcare Leadership Practicum

Course Overview

Description
This practicum course provides Clinical Nurse Leader (CNL) track graduate nursing students with a practical introduction to the role of the CNL. Students will apply concepts of ethical decision making, social justice, health equity, and social determinants of health in planning patient care in the clinical practice setting. Students will utilize data analytics and healthcare technologies to identify gaps in care, and support integration of quality improvement initiatives that promote equity in healthcare. Students will participate in team leadership and interprofessional collaboration to foster positive patient outcomes in the clinical practice setting. 50 practicum hours. Prerequisites: None, Co-requisites: NR 670. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	-

NR671 - Advanced Strategies in Assessment and Curriculum Design Seminar

Course Overview

Description
This course focuses on strategies in the development, assessment, and revision of nursing education curricula. Students will learn to lead curriculum development and revision processes, ensuring that nursing programs are aligned with current healthcare trends, educational standards, and the needs of learners and stakeholders. The course will guide students through the process of developing, implementing, and revising curricula and program evaluation, with a focus on evidence-based practices and continuous quality improvement. Prerequisites: None. Co-requisites: NR 671L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR671L - Advanced Strategies in Assessment and Curriculum Design Practicum

Course Overview

Description
This practicum course is centered on strategies for the development, assessment, and revision of nursing education curricula. Students will gain experience in the curriculum development and revision processes, ensuring curriculum alignment with current healthcare trends, educational standards, and the needs of learners and stakeholders. The course will provide students with practical experience in the process of developing, implementing, and revising curricula and program evaluation, with a focus on evidence-based practices and continuous quality improvement at a real-world nursing education institution. This course includes the completion of 50 practicum hours. Prerequisites: None. Co-requisite: NR 671. Offered Fall, Spring, Summer

Semester Credits

	Maximum Variable Credits:
1	-

NR698 - Graduate Nursing Intensive B

Course Overview

Description
This virtual residency experience is designed to enhance nursing leadership competencies by integrating historical perspectives, ethical decision-making, and evidence-based practices into advanced nursing care specific to the student's area of study. Students will explore the evolution of nursing, develop skills for effective team collaboration, and assess workplace environments to promote health and wellbeing as related to their enrolled track. Emphasis will be placed on social responsibility, quality improvement, and advocating for health equity, enabling participants to lead initiatives that improve patient outcomes and healthcare delivery. By the end of this course, students will demonstrate competency in the Level B Objectives. Prerequisite: NR 658. Grade of B or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
0	-

NR700 - FNP Seminar I

Course Overview

Description
This course serves as the first of five seminars devoted to the application of foundational nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on interprofessional partnerships, communication, and teamwork within the healthcare setting, this course complements and enhances the clinical knowledge and skills gained in NR 700L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the FNP track. Prerequisite: NR 698. Grade of B or higher. Corequisite: NR 700L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR700L - FNP Clinical I

Course Overview

Description
This course serves as the first of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on interprofessional partnerships, communication, and teamwork within the healthcare setting, students will apply previous knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the FNP track. This course includes 150 clinical hours. Prerequisite: NR 698. Grade of B or better. Corequisite: NR 700. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR701 - FNP Seminar II

Course Overview

Description
This course serves as the second of five seminars devoted to the application of nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on advanced nursing knowledge and the use of informatics and healthcare technologies within the healthcare setting, this course complements and enhances the clinical knowledge and skills gained in NR 701L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the FNP track. Prerequisites: NR 700 and NR 700L. Grade of B or higher. Corequisite: NR 701L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR701L - FNP Clinical II

Course Overview

Description
This course serves as the second of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on advanced nursing knowledge and the use of informatics and healthcare technologies within the healthcare setting, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the FNP track. Prerequisites: NR 700 and NR 700L. Grade of B or higher. Corequisite: NR 701. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR702 - FNP Seminar III

Course Overview

Description
This course serves as the third of five seminars devoted to the application of nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on clinical leadership, quality improvement, and professional practice, this course complements and enhances the clinical knowledge and skills gained in NR 702L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the FNP track. Prerequisites: NR 701 and NR 701L. Grade of B or higher. Corequisite: NR 702L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR702L - FNP Clinical III

Course Overview

Description
This course serves as the third of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on evidence-based practice, therapeutic communication, care coordination, and well-being, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the FNP track. Prerequisites: NR 701 and NR 701L. Grade of B or higher. Corequisite: NR 702. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR703 - FNP Seminar IV

Course Overview

Description
This course serves as the fourth of five seminars devoted to the application of nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on evidence-based practice, policy advocacy, and equitable healthcare, this course complements and enhances the clinical knowledge and skills gained in NR 703L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the FNP track. Prerequisites: NR 702 and NR702L. Grade of B or better. Corequisite: NR 703L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR703L - FNP Clinical IV

Course Overview

Description
This course serves as the fourth of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on team leadership, care coordination, and holistic, person-centered care, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the FNP track. Prerequisites: NR 702 and NR 702L. Grade of B or better. Corequisite: NR 703. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR704 - FNP Seminar V

Course Overview

Description
This course serves as the last of five seminars devoted to the application of nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. Students will refine their ability to lead, advocate, and practice within their population focus area while fostering holistic well-being for patients and themselves. This course complements and enhances the clinical knowledge and skills gained in NR 704L. By the end of this course, students will demonstrate competence and proficiency with the requisite knowledge and skills of the Family Nurse Practitioner profession. Prerequisites: NR 703 and NR 703L. Grade of B or higher. Corequisite: NR 704L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR704L - FNP Clinical V

Course Overview

Description
This course serves as the last of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Family Nurse Practitioner (FNP) specialty. With a focus on team advanced leadership, mentorship, and accountability, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will demonstrate competence and proficiency with the requisite knowledge and skills of the Family Nurse Practitioner profession. Prerequisites: NR 703 and NR 703L. Grade of B or better. Corequisite: NR 704. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR705 - PMHNP Seminar I

Course Overview

Description
This course serves as the first of five seminars devoted to the application of foundational nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. With a focus on interprofessional partnerships, communication, and teamwork within the healthcare setting, this course complements and enhances the clinical knowledge and skills gained in NR 705L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the PMHNP track. Prerequisite: NR 698. Grade of B or higher. Corequisite: NR 705L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR705L - PMHNP Clinical I

Course Overview

Description
This course serves as the first of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner specialty. With a focus on interprofessional partnerships, communication, and teamwork within the healthcare setting, students will apply previous knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the PMHNP track. This course includes 150 clinical hours. Prerequisite: NR 698. Grade of B or higher. Corequisite: NR 705. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR706 - PMHNP Seminar II

Course Overview

Description
This course serves as the second of five seminars devoted to the application of nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. With a focus on advanced nursing knowledge and the use of informatics and healthcare technologies within the healthcare setting, this course complements and enhances the clinical knowledge and skills gained in NR 706L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the PMHNP track. Prerequisites: NR 705 and NR 705L. Grade of B or higher. Corequisite: NR 706L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR706L - PMHNP Clinical II

Course Overview

Description
This course serves as the second of five clinical courses dedicated to the application of foundational nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. Emphasizing advanced nursing knowledge and the integration of informatics and healthcare technologies in mental health settings, students will engage in hands-on clinical experiences that enhance their practice. By the end of this course, students will be well-prepared to progress to the next seminar and clinical course in the PMHNP track. Prerequisites: NR 705 and NR 705L. Grade of B or higher. Corequisite: NR 706. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR707 - PMHNP Seminar III

Course Overview

Description
This course serves as the third of five seminars devoted to the application of nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. With a focus on clinical leadership, quality improvement, and professional practice, this course complements and enhances the clinical knowledge and skills gained in NR 707L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the PMHNP track. Prerequisites: NR 706 and NR 706L. Grade of B or higher. Corequisite: NR 707L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR707L - PMHNP Clinical III

Course Overview

Description
This course serves as the third of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. With a focus on evidence-based practice, therapeutic communication, care coordination, and well-being, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the PMHNP track. Prerequisites: NR 706 and NR 706L. Grade of B or higher. Corequisite: NR 707. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR708 - PMHNP Seminar IV

Course Overview

Description
This course serves as the fourth of five seminars devoted to the application of nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. With a focus on evidence-based practice, policy advocacy, and equitable healthcare, this course complements and enhances the clinical knowledge and skills gained in NR 708L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the PMHNP track. Prerequisites: NR 707 and NR 707L. Grade of B or better. Corequisite: NR 708L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR708L - PMHNP Clinical IV

Course Overview

Description
This course serves as the fourth of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. With a focus on team leadership, care coordination, and holistic, person-centered care, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the PMHNP track. Prerequisites: NR 707 and NR 707L. Grade of B or better. Corequisite: NR 708. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR709 - PMHNP Seminar V

Course Overview

Description
This course serves as the last of five seminars devoted to the application of nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. Students will refine their ability to lead, advocate, and practice within their population focus area while fostering holistic well-being for patients and themselves. This course complements and enhances the clinical knowledge and skills gained in NR 709L. By the end of this course, students will demonstrate competence and proficiency with the requisite knowledge and skills of the Psychiatric-Mental Health Nurse Practitioner profession. Prerequisites: NR 708 and NR 708L. Grade of B or better. Corequisite: NR 709L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR709L - PMHNP Clinical V

Course Overview

Description
This course serves as the last of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Psychiatric-Mental Health Nurse Practitioner (PMHNP) specialty. With a focus on team advanced leadership, mentorship, and accountability, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will demonstrate competence and proficiency with the requisite knowledge and skills of the Psychiatric-Mental Health Nurse Practitioner profession. Prerequisites: NR 708 and NR 708L. Grade of B or better. Corequisite: NR 709. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR710 - AGNP-AC Seminar I

Course Overview

Description
This course serves as the first of five seminars devoted to the application of foundational nurse practitioner knowledge to the Adult-Gerontology Acute Care Nurse Practitioner (AGNP-AC) specialty. With a focus on interprofessional partnerships, communication, and teamwork within the healthcare setting, this course complements and enhances the clinical knowledge and skills gained in NR 710L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the AGNP-AC track. Prerequisite: NR 698. Grade of B or higher. Corequisite: NR 710L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR710L - AGNP-AC Clinical I

Course Overview

Description
This course serves as the first of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Adult-Gerontology Acute Care Nurse Practitioner specialty. With a focus on interprofessional partnerships, communication, and teamwork within the healthcare setting, students will apply previous knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the AGNP-AC track. This course includes 150 clinical hours. Prerequisite: NR 698. Grade of B or higher. Corequisite: NR 710. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR711 - AGNP-AC Seminar II

Course Overview

Description
This course serves as the second of five seminars devoted to the application of nurse practitioner knowledge to the Adult-Gerontology Acute Care (AGNP-AC) specialty. With a focus on advanced nursing knowledge and the use of informatics and healthcare technologies within the healthcare setting, this course complements and enhances the clinical knowledge and skills gained in NR 711L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the AGNP-AC track. Prerequisites: NR 710 and NR 710L. Grade of B or higher. Corequisite: NR 711L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR711L - AGNP-AC Clinical II

Course Overview

Description
This course serves as the second of five clinical courses dedicated to the application of foundational nurse practitioner knowledge to the Adult Gerontology Acute Care Nurse Practitioner (AGNP-AC) specialty. Emphasizing advanced nursing knowledge and the integration of informatics and healthcare technologies in acute care settings, students will engage in hands-on clinical experiences that enhance their practice. By the end of this course, students will be well-prepared to progress to the next seminar and clinical course in the AGNP-AC track. Prerequisites: NR 710 and NR 710L. Grade of B or higher. Corequisite: NR 711. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR712 - AGNP-AC Seminar III

Course Overview

Description
This course serves as the third of five seminars devoted to the application of nurse practitioner knowledge to the Adult-Gerontology Acute Care (AGNP-AC) specialty. With a focus on clinical leadership, quality improvement, and professional practice, this course complements and enhances the clinical knowledge and skills gained in NR 712L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the AGNP-AC track. Prerequisites: NR 711 and NR 711L. Grade of B or higher. Corequisite: NR 712L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR712L - AGNP-AC Clinical III

Course Overview

Description
This course serves as the third of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Adult Gerontology Acute Care Nurse Practitioner (AGNP-AC) specialty. With a focus on evidence-based practice, therapeutic communication, care coordination, and well-being, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the AGNP-AC track. Prerequisites: NR 711 and NR 711L. Grade of B or higher. Corequisite: NR 712. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR713 - AGNP-AC Seminar IV

Course Overview

Description
This course serves as the fourth of five seminars devoted to the application of nurse practitioner knowledge to the Adult Gerontology Acute Care (AGNP-AC) specialty. With a focus on evidence-based practice, policy advocacy, and equitable healthcare, this course complements and enhances the clinical knowledge and skills gained in NR 713L. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the AGNP-AC track. Prerequisites: NR 712 and NR 712L. Grade of B or better. Corequisite: NR 713L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR713L - AGNP-AC Clinical IV

Course Overview

Description
This course serves as the fourth of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Adult Gerontology Acute Care Nurse Practitioner (AGNP-AC) specialty. With a focus on team leadership, care coordination, and holistic, person-centered care, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will be prepared to advance to the next seminar and clinical course in the AGNP-AC track. Prerequisites: NR 712 and NR 712L. Grade of B or better. Corequisite: NR 713. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR714 - AGNP-AC Seminar V

Course Overview

Description
This course serves as the last of five seminars devoted to the application of nurse practitioner knowledge to the Adult Gerontology Acute Care Nurse Practitioner (AGNP-AC) specialty. Students will refine their ability to lead, advocate, and practice within their population focus area while fostering holistic well-being for patients and themselves. This course complements and enhances the clinical knowledge and skills gained in NR 714L. By the end of this course, students will demonstrate competence and proficiency with the requisite knowledge and skills of the Adult Gerontology Acute Care Nurse Practitioner profession. Prerequisites: NR 713 and NR 713L. Grade of B or better. Corequisite: NR 714 L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR714L - AGNP-AC Clinical V

Course Overview

Description
This course serves as the last of five clinical courses devoted to the application of foundational nurse practitioner knowledge to the Adult Gerontology Acute Care Nurse Practitioner (AGNP-AC) specialty. With a focus on team advanced leadership, mentorship, and accountability, students will apply knowledge to hands-on clinical experiences. By the end of this course, students will demonstrate competence and proficiency with the requisite knowledge and skills of the Adult Gerontology Acute Care Nurse Practitioner profession. Prerequisites: NR 713 and NR 713L. Grade of B or better. Corequisite: NR 714. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR720 - Healthcare Systems Resource Management Seminar

Course Overview

Description
This course equips Clinical Nurse Leader (CNL) students with the essential leadership skills and innovative strategies necessary to drive transformational change in healthcare settings. Students will explore the integration of technology, quality improvement initiatives, and evidence-based practices to enhance patient outcomes and healthcare delivery. The course covers strategic planning, ethical leadership, and interprofessional collaboration, with a focus on promoting diversity, equity, inclusion, and belonging (DEIB) within the healthcare environment. Through practical applications, students will learn to develop business cases, evaluate return on investment, and lead initiatives that align with organizational goals and ensure sustainability. By the end of the course, students will be prepared to assume leadership roles that foster innovation, improve care quality, and advocate for safe, patient-centered care across diverse healthcare systems. Prerequisites: NR 670, NR 670L and NR 698. Grade of B or higher. Corequisite: NR 720L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR720L - Health Systems Resource Management Practicum

Course Overview

Description
This practicum course provides Clinical Nurse Leader (CNL) students with advanced leadership skills and strategies essential for improving healthcare delivery, enhancing patient outcomes, and fostering a culture of safety within healthcare systems. Students will apply principles of population-based healthcare, practice data analysis of risk aversion, perform a gap analysis, evaluate social determinants of health, and design patient and population centered interventions to promote optimal health outcomes at both the micro and macrosystem levels. Additionally, students will participate in promoting an environment grounded in patient-centered care, model utilization of evidence-based decision making, and foster professional development of self and team members. This course includes 100 practicum hours. Prerequisites: NR 670, NR 670L and NR 698. Grade of B or higher. Corequisite: NR 720. Offered: Fall, Spring, Summer.

Semester Credits

Maximum Variable Credits:

2

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NR721 - Facilitating Learning and Fostering Professional Growth Seminar

Course Overview

Description

This course prepares graduate students to implement dynamic and evidence-based teaching strategies tailored to diverse learning environments and student needs. Students will explore innovative, active teaching and learning strategies, adapt approaches to accommodate diversity and social determinants of learning, and integrate educational technologies to enhance learner engagement. Participants will develop clinical judgment and reflective thinking practices in their learners while fostering safe and supportive learning environments. The course covers effective assessment across cognitive, psychomotor, and affective domains, along with providing constructive feedback, promoting interprofessional collaboration, and supporting professional development. By the end of the course, graduate students will be equipped to lead in the development of innovative educational practices and foster the professional growth of their learners in a rapidly evolving healthcare environment. Prerequisites: NR 671, NR 671L and NR 698. Grade of B or higher. Corequisite: NR 721 L. Offered: Fall, Spring, Summer.

Semester Credits

Maximum Variable Credits:

3

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NR721L - Facilitating Learning and Fostering Professional Growth Practicum

Course Overview

Description

This practicum prepares graduate students to implement dynamic, evidence-based teaching strategies tailored to diverse learning environments. Students will implement innovative, active learning methods, integrate educational technologies, and adapt approaches based on diversity and social determinants of learning. The course emphasizes developing clinical judgment, reflective thinking, and fostering safe, supportive learning environments. Key topics include effective assessment across cognitive, psychomotor, and affective domains, constructive feedback, and promoting interprofessional collaboration. By the end of the practicum course, graduate students will be equipped to foster caring relationships, apply personalized educational principles, and mentor learners' professional growth within evolving academic settings. This course includes the completion of 100 practicum hours. Prerequisites: NR 671, NR 671L and NR 698. Grade of B or higher. Corequisite: NR 721. Offered: Fall, Spring, Summer.

Semester Credits

Maximum Variable Credits:

2

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NR722 - Organizational Nursing Leadership Seminar

Course Overview

Description

This seminar course provides Clinical Nurse Leader (CNL) graduate students with the knowledge and skills necessary to lead within complex healthcare organizations. Through the exploration of key leadership topics such as healthcare innovation, team collaboration, cultural humility, and the strategic integration of healthcare technologies, students will develop the ability to promote a culture of safety, inclusion, and continuous improvement. Emphasis is placed on effective resource management, strategic planning, and sustainability of leadership initiatives. By the end of the course, students will be prepared to assess, implement, and sustain leadership strategies that improve patient outcomes, healthcare delivery, and organizational effectiveness. Prerequisites: NR 720 and NR 720L. Grade of B or higher. Corequisite: NR 722L. Offered: Fall, Spring, Summer.

Semester Credits

Maximum Variable Credits:

3

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NR722L - Organizational Nursing Leadership Practicum

Course Overview

Description
This practicum course provides Clinical Nurse Leader (CNL) graduate students with experiential learning opportunities to apply leadership principles in complex healthcare environments. Building on the theoretical foundations explored in the seminar, students will engage in hands-on practice focused on healthcare innovation, interdisciplinary collaboration, cultural humility, and the strategic implementation of healthcare technologies. Emphasis is placed on real-world applications of resource management, strategic planning, and sustainability of leadership initiatives. By the end of the practicum, students will demonstrate the ability to assess, implement, and evaluate leadership strategies that enhance patient outcomes, improve healthcare delivery, and strengthen organizational performance. This course includes the completion of 100 practicum hours. Prerequisites: NR 720 and NR 720L. Grade of B or higher. Corequisite: NR 722. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR723 - Clinical Nursing Education Seminar

Course Overview

Description
This course provides graduate students with the essential skills and knowledge required to effectively teach and mentor in clinical settings. This course explores key aspects of clinical education, including evidence-based teaching strategies, innovative learning activities, and ethical and legal issues that impact the clinical teaching environment. Through topics such as clinical simulation, conflict management, and professional mentorship, students will engage in interdisciplinary collaboration to improve educational outcomes and patient safety. Incorporating innovation and technology integration, advocacy and policy development, collaboration and interprofessional practice, quality improvement and safety, the course fosters reflective practice, lifelong learning, and personal well-being. Students will evaluate evidence-based teaching models, design learning activities that promote professional growth, and address complex challenges in nursing education. By the end of the course, participants will be able to incorporate ethical principles in their teaching, manage conflict effectively, adapt to institutional changes, and lead initiatives that promote diversity, equity, and inclusion within clinical settings. Prerequisites: NR 721, NR 721L. Grade of B or higher. Corequisite: 723L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

NR723L - Clinical Nursing Education Practicum

Course Overview

Description
This practicum course equips graduate students with immersive, hands-on experience in clinical teaching. Students will apply evidence-based clinical teaching models, develop learning activities, and navigate ethical and legal challenges in nursing education. Topics include clinical simulation, conflict management, and mentorship, with an emphasis on fostering a collaborative learning environment. Students will integrate advanced reasoning, personalized healthcare strategies, and evidence-based care practices, while optimizing care coordination and transitions of care into their clinical teaching frameworks. The course focuses on systems-level thinking, interdisciplinary collaboration, relationship building with stakeholders in the clinical setting, professional growth, and a commitment to lifelong learning and self-care. By the end of the course, students will be prepared to teach in clinical settings, advocating for quality care and optimal educational outcomes. This course includes the completion of 100 practicum hours. Prerequisites: NR 721 and NR 721L. Grade of B or higher. Corequisite: NR 723. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
2	-

NR724 - Interprofessional Nursing Leadership Seminar

Course Overview

Description
This seminar course equips graduate students with the skills and knowledge needed to excel as Clinical Nurse Leaders (CNLs) in complex healthcare environments. Through an exploration of interprofessional leadership, students will analyze the CNL's role in enhancing collaboration and improving patient outcomes at both microsystem and macrosystem levels. Key topics include strategies to promote resilience, self-care, and conflict management within teams, the application of quality improvement and safety principles, and the integration of evidence-based practices to optimize care transitions and patient safety. Students will also leverage data analytics, healthcare finance, and informatics to drive cost-effective, evidence-based decision-making. This course emphasizes the CNL's leadership in fostering sustainable, high-quality healthcare systems. Prerequisites: NR 722 and NR 722L. Grade of B or higher. Corequisite: NR 724L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	-

NR724L - Interprofessional Nursing Leadership Practicum

Course Overview

Description
This practicum course provides students with an immersive, hands-on experience to apply Clinical Nurse Leader (CNL) competencies in real-world healthcare settings. Students will actively engage in interprofessional collaboration, applying leadership strategies to improve patient outcomes across microsystem and macrosystem levels. Through direct involvement, students will implement resilience-building strategies, manage conflict within healthcare teams, and lead quality improvement initiatives to enhance patient safety and organizational sustainability. The practicum emphasizes using evidence-based practices, data analytics, and informatics tools to drive cost-effective solutions and optimize care transitions, preparing students to lead innovative healthcare improvements in diverse clinical environments. This course includes the completion of 200 practicum hours. Prerequisites: NR 722 and NR 722L. Grade of B or higher. Corequisite: NR724. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
5	-

NR725 - Bridging Theory and Practice in Academic Nursing Seminar

Course Overview

Description
This seminar course provides graduate students with a comprehensive exploration of the intersection between theory and practice in academic nursing. Students will apply research, theory, and evidence to align educational strategies with institutional missions and goals. Key topics include change management, policy development, diversity, equity, inclusion, and fostering professionalism and civility. Students will design and implement a capstone project addressing a critical issue in nursing education. Additionally, the course includes an analysis of budgetary processes in academic nursing programs to ensure effective resource allocation. By the end of the course, students will be prepared to lead innovative improvements in nursing education, grounded in evidence-based practices and interdisciplinary teamwork, to elevate the quality and impact of nursing education. Prerequisites: NR 723 and NR 723L. Grade of B or higher. Corequisite: NR 725L. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	-

NR725L - Bridging Theory and Practice in Academic Nursing Practicum

Course Overview

Description
This practicum course provides graduate students with real-world experience at the intersection of theory and practice in nursing education. Through hands-on application of research, theory, and evidence, students will align educational strategies with institutional and programmatic mission and goals while actively engaging in a nursing education practice setting. Key areas of focus include implementing change management strategies, developing policies for educational excellence, promoting diversity, equity, and inclusion, and fostering professionalism and civility in academic settings. Students will design and execute a capstone project that addresses a significant issue in nursing education, applying learned concepts in practical environments. The course will also involve analyzing budgetary processes within academic nursing programs to ensure effective resource allocation and financial planning. By the end of the practicum, students will be equipped to lead innovative improvements in nursing education, employing evidence-based practices and interdisciplinary collaboration to enhance the quality and impact of nursing education. This course includes the completion of 200 practicum hours. Prerequisites: NR 723 and NR 723L. Grade of B or higher. Corequisite: NR 725. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
5	-

NR798 - Graduate Nursing Intensive C

Course Overview

Description
This virtual residency experience enables students to demonstrate competency in advanced nursing care, applying evidence-based, person-centered approaches to care offered in diverse clinical settings. Through a focus on advanced clinical reasoning, interprofessional collaboration, and ethical decision-making, students will showcase their ability to deliver high-quality, equitable, and coordinated care. Emphasis is placed on integrating health promotion, quality improvement, and emerging technology to meet complex health needs and lead within healthcare teams. By the end of this course, students will demonstrate competency in the Level C Objectives. Prerequisites: NR 704L or NR 714L or NR 709L. Grade of B or higher. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
0	-

NR830 - Virtual Intensive for Level D Outcomes Demonstration

Course Overview

Description
This virtual intensive course is designed for doctoral nursing students to synthesize and employ concepts from Quality Improvement Theory and Application in Healthcare, Advanced Methods in Nursing Research and Evidence-Based Practice, Epidemiology and Biostatistics, Project Identification and Planning and Project Design courses. By participating in interactive collaborative learning and delivering formal presentations, students will demonstrate their ability to design a quality improvement project, underpinned by evidence-based practice and research theory as well as relevant statistical measures. This course will allow for students to demonstrate competency in the Level D Objectives, and progress to begin implementation of their DNP project. Prerequisites: NR 808, NR 818, NR 820L, NR 803, NR 825, NR 825L.
Corequisites: None. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
0	-

NS121 - Introduction to Naval Science

Course Overview

Description
Required for all freshman midshipmen. Provides a comprehensive overview of the Navy and Marine Corps organization, military courtesies and traditions. 2 Lecture hours.

Semester Credits

	Maximum Variable Credits:
2	-

NS122 - Sea Power and Maritime Affairs

Course Overview

Description
Required for all freshman midshipmen. Provides a comprehensive overview of the heritage of the Navy, mission, and role in the development of the United States. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

NS131 - Naval Science Laboratory

Course Overview

Description
Required for all contracted, MECEP, and STA-21 students. This course enforces the concepts of Military drill, customs and courtesies, elements of unit leadership, physical fitness, administration, equal opportunity, safety, sexual harassment/sexual assault, military justice, force protection, operational security, watch standards, nutrition, stress management, and other professional development subjects to train prospective Naval Officers. This lab develops students morally, mentally, and physically to instill in them the highest ideals of honor, courage, and commitment and is required for Naval (Navy and Marine Corps) Midshipmen and may be repeated with change in topics. Attendance to field training exercise and one formal event are mandatory. 2 Lab hours. Graded as Satisfactory/Unsatisfactory. Prerequisite: Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
0	-

NS188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NS221 - Leadership and Management

Course Overview

Description
Required for all sophomore midshipmen. Provides an introduction to the principles of both leadership and management for future leaders. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

NS222 - Navigation

Course Overview

Description
Required for all sophomore Navy midshipmen. Provides an introduction to the principles of navigation and basic seamanship. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

NS242 - Marine Corps Weapons Systems

Course Overview

Description
Required for all sophomore Marine midshipmen. Provides a comprehensive overview of weapons in the Marine Corps inventory. 2 Lecture hours.

Semester Credits

2

Maximum Variable Credits:
-

NS288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

NS321 - Naval Ship Systems I

Course Overview

Description
Required for all junior Navy midshipmen, except Nurses. Provides an introduction to basic naval engineering concepts and naval propulsion systems. 3 Lecture hours. Some sections may require Permission of Instructor.

Semester Credits

3

Maximum Variable Credits:
-

NS322 - Naval Ship Systems II

Course Overview

Description
Required for all junior Navy midshipmen, except Nurses. Provides an introduction to basic naval weapons engineering concepts and weapons systems. 3 Lecture hours.

Semester Credits

3

Maximum Variable Credits:
-

NS331 - Evolution of Warfare

Course Overview

Description
This course is required for NROTC, Marine option, midshipmen 2nd class and MECEP students. Students trace the development of warfare to the present day. This course covers the causes of continuity and change in the means and methods of warfare. It addresses the influence of political, economic, and societal factors on the conduct of war, with significant attention focused on the role of technological innovation in changing the battlefield. Students will explore the contribution of preeminent military theorists and battlefield commanders to our modern understanding of the art and science of war. 3 Lecture hours.

Semester Credits

3

Maximum Variable Credits:
-

NS342 - Small Unit Leadership Skills

Course Overview

Description
Required for all junior Naval ROTC contracted Marine Option Midshipmen and non OCS complete seniors. Optional for Students/Cadets who are approved to attend Officer Candidate School OCS through a Marine Corps Recruiting Command commission program. Provides candidates with all basic skills, knowledge, and physical preparation before attending OCS during summer training. Candidates will continue to develop their oral and written communications skills through preparation of warning, fragmentary, and operation orders and their leadership and management skills through analytical and decision making abilities. 2 Lecture hours. Prerequisite: Navel ROTC contracted members. Corequisite: NS 342L.

Semester Credits

	Maximum Variable Credits:
2	-

NS342L - Small Unit Leadership Skills Lab

Course Overview

Description
Required for all junior Naval ROTC contracted Marine Option Midshipmen and non OCS complete seniors. Optional for Students/Cadets, pending medical waivers and approval by the Professor of Naval Science, who are approved to attend Officer Candidate School OCS through a Marine Corps Recruiting Command commission program. Lab is also referred to bulldog training and will test the physical and mental standards candidates are expected to achieve while attending OCS. Students/Candidates will be evaluated based upon the application of military topics discussed in Small Unit Leadership Skill lecture. In this course students acquire an understanding and application of USMC military terms and small unit level operations.1 Lab hour. Graded as Satisfactory/Unsatisfactory. Prerequisite: Naval ROTC contracted members. Corequisite: NS 342.

Semester Credits

	Maximum Variable Credits:
1	-

NS388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NS421 - Naval Operations and Seamanship

Course Overview

Description
Required for all senior Navy midshipmen, except Nurses. Provides an introduction to advanced navigation and seamanship, shipboard operations and naval warfare doctrine. 3 Lecture hours. Prerequisite: Naval ROTC contracted members and Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

NS422 - Leadership and Ethics

Course Overview

Description
Required for all NROTC commissioning seniors. Provides all prospective commissioned with advanced leadership, ethics, and service etiquette, training. 3 Lecture hours. 2 Lab hours. Contracted students only. Prerequisite: Senior standing and Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

NS435 - Fundamentals of Maneuver Warfare

Course Overview

Description
Required for all senior Naval ROTC Marine Option Midshipmen. This course analyzes the United States Marine Corps as the overarching case study for the advent of maneuver warfare based upon historic events and doctrine. Students learn the characteristics, requirements, and problems on maneuver warfare. The study of history is not simply to learn from the past, but as practitioners of maneuver warfare, to use the lessons of the past as the basis for making practical judgments for the present and future. Maneuver warfare is merely a subset of warfare in general; it exhibits certain unique characteristics within the broader field. The required case studies focus in the overall concepts of warfare itself. 3 Lecture hours. Prerequisite: NS 331.

Semester Credits

	Maximum Variable Credits:
3	-

NS488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NT505 - National Security Strategy: Theory and Frameworks

Course Overview

Description
Students analyze the theoretical and practical frameworks within which national security objectives are developed at the highest levels of government. Students are introduced to the prevailing lenses through which nations attempt to achieve their national security goals and a range of theoretical approaches to the formulation of the policy objectives.

Semester Credits

	Maximum Variable Credits:
6	-

NT510 - Strategy and Policy

Course Overview

Description
Strategic and analytical preparation of the course material that follows and positions strategic leadership. Assess a variety of situations and compare alternative courses of action to achieve overall national political purposes. Students are asked to think in a disciplined, critical, and original manner about the international environment and a range of potential strategies involving joint, interagency, and multinational partners. Strategy has been viewed traditionally as the relationship between the purpose of war and the means to achieve a political end. Strategy provides a theory of victory that explains how a state can translate the employment of the specific means of national power into the achievement of overall national objectives.

Semester Credits

	Maximum Variable Credits:
6	-

NT550 - The Use of Military Force

Course Overview

Description
An in-depth study of the operational level of war throughout the full spectrum of military operations. The course prepares students to excel in the range of military operations in the strategic theater arena through an understanding of the effective use of operational planning involving joint/coalition forces and interagency partners to achieve military objectives

Semester Credits

	Maximum Variable Credits:
6	-

NT560 - Capstone Planning Exercise

Course Overview

Description
Students integrate extensive research along with the concepts and principles of the program that results in a student-derived policy to achieve a strategic objective(s). Students will complete a Presidential Policy Directive using all the elements of national power in concert with one another. Prerequisite: None. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
6	-

NT588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

NTSS188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

NTSS288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

NTSS388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

NTSS488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

OC101 - Off Campus Enrollment

Course Overview

Description
This course is for students who enroll in courses at another institution within the United States but must be considered a full-time student at Norwich. Students must complete a transfer course request form. This policy is only applicable with a formal agreement has been approved between Norwich University Financial Aid and the transfer institution. Once approved the student will be enrolled into OC101 for the number of credits approved.

Semester Credits

1

Maximum Variable Credits:
12

OL188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

OL288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

OL388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

OL488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

OL510 - Leadership Fundamentals

Course Overview

Description
This course focuses on differentiating the conceptual and theoretical aspects and models of leadership and leadership studies in order for students to apply leadership skills and principles to their place of work. The fundamentals of leadership are taught within the context of present and past leaders with an emphasis on how to live out these fundamentals in an ethical manner.

Semester Credits

	Maximum Variable Credits:
6	-

OL520 - Emotional Intelligence

Course Overview

Description
This course provides information about the new way of evaluating intelligence in individuals. This new measure of intelligence is called EQ or emotional intelligence. Students are given the opportunities and tools to evaluate their capacity to think about work through the lens of reflection and introspection as a guide to understanding the behavioral aspects of working together and providing customer service. By examining thinking patterns students will take away new skills in developing intuitive reasoning to enhance professional interpersonal relationships with peers and customers.

Semester Credits

	Maximum Variable Credits:
6	-

OL530 - Leading Change in Organizations

Course Overview

Description
The ability to understand and follow the change management process in a collaborative manner is a vital skill to master. Will focus on the strategic leadership of change in organizations. Students learn about change from a leadership as well as a management perspective in organizations, national and multinational. Differentiates the conceptual and theoretical change models in order to assist the student in understanding the best ways to lead and manage change. Students learn the importance of understanding and following the change management process in a collaborative manner. Learns about and practice leadership skills that foster positive changes in people and organizations.

Semester Credits

	Maximum Variable Credits:
6	-

OL540 - Strategic Communication and Information Leadership

Course Overview

Description
Strategic communication is a vital skill in a demanding, fast-paced, virtual or global workplace. Students will identify a personal leadership style, tendencies and preferences as a professional, and how one assimilates and applies information. Experiential learning is a large component of this course as students practice their skills at work and relay their experiences through a Leadership Development Portfolio (LDP).

Semester Credits

	Maximum Variable Credits:
6	-

OL542 - Human Resources Leadership

Course Overview

Description
The focus of this seminar is on the history and evolution of human resources leadership, current trends and future needs regarding various leadership strategies utilized within a broad range of organizations. The seminar will examine the impact such factors as globalization, technology, and worker diversity have on achieving the work/life balance needs and capabilities required by organizations and individuals. The seminar also explores the role of the leader in growing its people within the organizational context to develop a value based culture capable of achieving strategic goals and objectives. Through the discussion and understanding of human resource leadership principles and personal reflection and integration, the student will gain the ability to help design, develop and construct worker based strategies at an executive level while concurrently helping workers grow and develop as individuals.

Semester Credits

	Maximum Variable Credits:
6	-

OL543 - Theories and Innovative Practices of Public Sector/Government/Military Leadership

Course Overview

Description
Addresses the dynamic economic, social, and cultural transformations faced by contemporary public sector/government/military leaders as they strengthen agencies for challenges of today. Combining the latest leadership theories of public sector/government/military leadership with the most effective lessons from the private sector, students will gain theoretical frameworks and practical tools to effectively improve and enhance their skills to manage complex systems, influence organizational context, engage stakeholders, and shape institutional culture. The topics covered include: history and theories of successful public sector/government/military management; contemporary leadership strategies; and innovative response to public sector challenges in a growing global marketplace.

Semester Credits

	Maximum Variable Credits:
6	-

OL544 - Change Management Consulting

Course Overview

Description
There are two foci for this seminar. The first is on providing students with the theoretical knowledge and foundation on consulting models and methodologies. The second is on providing students with the tips, tools and techniques to be a successful change management consultant.

Semester Credits

	Maximum Variable Credits:
6	-

OL550 - Strategic Organizational Behavior

Course Overview

Description
Focuses on strategic organizational behavior in organizations. Covers the importance of strategic alignment in order to enable effective organizational behavior. Systems thinking and organizational behavior provide a framework to analyze and influence the behavior of individuals and groups within the organization. This broad-based seminar analyzes and applies various holistic strategic organizational behavior models in order to assist the student in understanding the best ways to assess and impact the strategic alignment of organizations. Discusses the importance to understand and use various organizational behavior and organizational strategy models. The seminar helps students learn about and practice leadership skills that foster strategic alignment and effective behavior in people and organizations.

Semester Credits

	Maximum Variable Credits:
6	-

OL552 - Leveraging Human Capacity for Strategic Results

Course Overview

Description
The focus of this seminar is on various management systems and best organizational practices to leverage human capacity to achieve strategic goals. The seminar studies how maximized utilization of human capital has become the centerpiece for success in an increasingly complex world, and how human resource leaders must confront ambitious goals while balancing a volatile economic market, environmental and legal risks, advancements in technology and workforce needs evolving at an increasingly rapid pace. The seminar will also explore various measurement tools for assessment of the efficiency and effectiveness of management systems methods for developing a blueprint for executing strategic objectives. This seminar builds on the Human Resource Leadership seminar, which was focused on developing a leadership strategy that successfully supports management systems that leverage human capacity for organizations.

Semester Credits

	Maximum Variable Credits:
6	-

OL554 - Implementing Organizational Change

Course Overview

Description
The focus of this seminar is on moving from the theoretical realm to the practical application of implementing change initiatives. Students are presented with real-world case studies of successful and unsuccessful change management initiatives. Students analyze and synthesize cases to determine what worked and what did not work.

Semester Credits

	Maximum Variable Credits:
6	-

OL560 - Strategic Organizational Leadership & Developing a Learning Organization

Course Overview

Description
Students apply principles of Leading Change, Strategic Organizational Behavior and Strategic Leadership to people and organizations to impact performance and ensure future success. This seminar develops an understanding of the implications of strategic alignment and organizational learning to the success of an organization. It differentiates conceptual and theoretical change models to assist students in understanding the best ways to lead change and foster a learning organization while considering individual and group behavior as tied to strategy. The seminar demonstrates how strategic leadership, organizational behavior, and change theories are applied in a collaborative manner and will lead to aligning the interests of stakeholders. Prerequisites: OL 530, OL 550.

Semester Credits

	Maximum Variable Credits:
6	-

OL561 - Capstone Studies

Course Overview

Description
Provides students the opportunity to synthesize learning from previous seminars applying the concepts through an academic portfolio that includes selection of previous papers, including a paper reflecting on what was learned in the program and the preparation of a written capstone paper. Practical or theoretical solutions are used to a problem within an organization, industry or community relevant to each student's work or career goals. The student will present their findings, giving them experience in presenting their ideas to a leadership team. Finally, students will write a paper suitable for publication in a professional journal or complete a Learning Development Portfolio. Students must exhibit in-depth critical thinking, organizational analysis and effective writing. Prerequisites: Completion of all prior required core and concentration courses or Permission of the Program Director.

Semester Credits

	Maximum Variable Credits:
6	-

OL588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

OL599 - Pilot Course

Course Overview

Description
A pilot course is permitted twice, without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
6	-

PH110 - Think! Intro to Philosophy

Course Overview

Description
Students will develop an understanding of the major philosophical questions concerning ethics, knowledge, politics, aesthetics, metaphysics, and religion in their ancient and recent articulations as they pertain to the question of what it means to live a just and truthful life and to articulately communicate belief in our complex world. 3 Lecture hours.

Semester Credits

	Maximum Variable Credits:
3	-

PH115 - Competitive Debate

Course Overview

Description
In this course, students will develop and hone their skills in argumentation and public speaking. Special emphasis will be placed on developing the necessary capacities to construct well-researched, sound and compelling arguments to support a position as well as quickly formulating persuasive objections. Students enrolled in the course will participate in a public debate during the semester. 1 Credit hour. Three accumulative hours will comprise one 3 credit course. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
1	-

PH188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PH199 - Competitive Debate

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

1

Maximum Variable Credits:
-

PH215 - Survey of Ethics

Course Overview

Description
An introduction to critical thinking about the fundamental principles on which moral judgments and ethical conduct are based. This course will survey the major historical and contemporary approaches to ethical reflection. Credit may not be earned in both PH 215 and PH 303 or PH 215 and PHLS 210. 3 Lecture hours. Offered: Fall, Spring

Semester Credits

3

Maximum Variable Credits:
-

PH220 - Comparative Religion

Course Overview

Description
This course serves as an introduction to several major religious traditions of the world including Hinduism, Buddhism, Indigenous and East Asian religions, Judaism, Islam, and Christianity, focusing on various dimensions in each: myth, doctrine, ethics, ritual, ontology, and origin, among others. 3 Lecture hours.

Semester Credits

3

Maximum Variable Credits:
-

PH225 - Race, God And Justice

Course Overview

Description
Students explore religions' contributions to racial and ethnic diversity and quests for justice in the United States. Topics could include, but are not limited to, religions such as Black Christianity, Black Islam, Latinx Christianity, Native American traditions, Judaism in rural America, Hinduism, Buddhism, Taoism and/or Confucianism. Focus is on the role religion plays in identity formation, navigation of racial and ethnic conflict, moral conversations about reponses to structural oppression and a variety of serches for justice. 3 Lecture hours. Offered: Spring

Semester Credits

3

Maximum Variable Credits:
-

PH230 - Logic

Course Overview

Description
A study of the principles of valid reasoning and argument: how to analyze arguments, detect fallacies, apply logical rules, prove and refute conclusions from given premises. Both syllogistic methods of argument and modern systems of symbolic inference are studied.

Semester Credits

3

Maximum Variable Credits:
-

PH288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PH299 - Pilot Course in Philosophy

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

PH301 - Topics in Philosophy

Course Overview

Description
This course focuses on a specific topic of interest in the field of Philosophy. Sample topics may include Philosophy of Personal Development, Philosophy of Sport, Philosophy and Science Fiction, Philosophy of Mind, or Sexual Ethics.

Semester Credits

	Maximum Variable Credits:
3	-

PH302 - Global History of Philosophy

Course Overview

Description
Students develop a historical understanding of the origin and evolution of major philosophical questions concerning ethics, knowledge, politics, aesthetics, metaphysics and religion from African, Chinese, Indian and Western Articulations. These diverse historical perspectives and topics provide an opportunity for students to question what it means to live a just and truthful life, generating the skills needed to rationally, civilly articulately consider and communicate their beliefs in our global world. 3 Lecture hours. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

PH322 - Money, Meaning and Morality

Course Overview

Description
This course considers the central philosophical question, 'what is a good life' as it relates to a number of ethical theories and issues arising from the uses and abuses of money and market structures, including labor, production, marketing, investment, liability, taxation, globalization, and ecological considerations, providing students with a working knowledge of ethics and money as related to their own choice of profession.

Semester Credits

	Maximum Variable Credits:
3	-

PH323 - Environmental Ethics

Course Overview

Description
An introduction to ethical issues concerning the human and non-human environment. The course provides a working knowledge of the concepts, theories, and types of argument characteristic of ethics in general. It analyzes and debates a selection of such topics as: ethical implications of continued economic and population growth; designing the infrastructure and architecture of human communities for optimal integration into the natural environment; sustainable agriculture and wilderness management; biodiversity and endangered species; pollution, waste disposal and climate change. Mainstream philosophical approaches will be compared with radical perspectives such as deep ecology and eco-feminism; and responses to ecological hazards ranging from free market strategies, through government regulation, local economic and ecological initiatives, to civil disobedience and eco-sabotage, may be examined.

Semester Credits

	Maximum Variable Credits:
3	-

PH324 - Criminal Justice Ethics

Course Overview

Description
This course provides a short introduction to general ethics (about 1/3 of the semester) with applications to practices and problems in the criminal justice field. Its focus is less on specific rules of ethical conduct for criminal justice professionals than on their interface with issues of common public concern. We will debate the legitimate functions and limitations of the criminal law, as well as a selection of moral problems in policing, judicial processing and corrections. In addition, a number of recent high-profile Supreme and Appeals Court cases in the areas of civil rights and civil liberties will be analyzed. The emphasis will be on developing discussion skills and familiarity with essential patterns of legal and moral reasoning. May not earn credit in both PH 324 and PHLS 324.

Semester Credits

	Maximum Variable Credits:
3	-

PH325 - Ethics of AI and Technology

Course Overview

Description
Advances in AI and technology have already significantly impacted our lives and raise harrowing ethical and societal questions about our future. Some issues to be considered in the course are: the appropriate use of AI in academic settings; how we ought to integrate these new technologies into our lives; whether we have any moral obligations to AI itself, even if it is not consciously aware. Students will discover various positions that can be taken on these and other issues by utilizing ethical theories and develop arguments to support their own positions. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

PH340 - Non-Violence and Just War Theory

Course Overview

Description
A study of permissible uses of force by individuals and nations. Topics include the theory of the just war, pacifism and non-resistance, conscientious objection, civil disobedience, and the moral problem of nuclear armaments.

Semester Credits

	Maximum Variable Credits:
3	-

PH350 - Medical Ethics

Course Overview

Description
This course examines general ethics and professional ethics; patient rights and professional responsibilities; terminating and prolonging life; allocating scarce medical resources; human experimentation and informed consent; genetic intervention; and other issues.

Semester Credits

	Maximum Variable Credits:
3	-

PH388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PH399 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
3	-

PH400 - Reading and Research

Course Overview

Description
An inquiry into the pertinent literature and source materials of a specific area concerned with a special project to be agreed upon by instructor and student. Prerequisite: Permission of Instructor. Course may be repeated for credit up to 3 total credits.

Semester Credits

Maximum Variable Credits:

3

-

PH488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

PHLS205 - Critical Thinking

Course Overview

Description
This course introduces students to the critical thinking skills and techniques needed in academic and research endeavors. Topics covered include formal and informal logic; the structure of logical systems; argumentation; and the relationship of logic to research and the scientific method. Emphasis is placed on learning to recognize common logical fallacies.

Semester Credits

Maximum Variable Credits:

3

-

PHLS210 - Ethics in the Modern World

Course Overview

Description
A study of ethics and its application to problems in everyday life, society, and the broader world. The course examines the principal moral theories and ethical systems that have shaped our personal values and behavior, including consequentialist and non-consequentialist theories, virtue ethics, and feminist ethics. Students explore the connections between ethics and religion and examine the challenges to morals posed by relativism, subjectivism and emotivism, and egoism. Students also evaluate positions, theories, and arguments as they apply them to concrete matters of personal, socio-political, and global concern. Credit may not be earned in both PHLS 210 and PH 303 or PHLS 210 and PH 215. 3 Lecture hours. Offered: Fall, Spring

Semester Credits

Maximum Variable Credits:

3

-

PHLS324 - Criminal Justice Ethics

Course Overview

Description
This course provides a short introduction to general ethics, with applications to practices and problems in the criminal justice field. It uses the case study method to focus on immediate decisions which involve ethical dilemmas and typically face criminal justice professionals in the police, courts, and corrections. It also studies a selection of more general issues involving the criminal justice system which are of common public concern, as well as the deeper question of why certain forms of behavior should or should not be criminalized. In this connection, a selection of recent high-profile Supreme and Appeals Court cases in the areas of civil rights and civil liberties will be discussed. The emphasis is on developing discussion skills and familiarity with essential patterns of legal and moral reasoning. 3 lecture hours.

Semester Credits

3

Maximum Variable Credits:
-

PO105 - American Politics

Course Overview

Description
A study of the theoretical, institutional, and behavioral elements of the U.S. political system. Prerequisite: Freshmen or sophomore standing. Offered: Fall, Spring

Semester Credits

3

Maximum Variable Credits:
-

PO106 - Introduction to Public Policy and Administration

Course Overview

Description
An introductory examination of theoretical and practical approaches to policy making and administration, the essential steps in the process and the roles of key actors at all levels. This course prepares students for more in-depth study of all other facets of the political realm. Prerequisite: Freshmen or Sophomore standing.

Semester Credits

3

Maximum Variable Credits:
-

PO188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

PO199 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

0

Maximum Variable Credits:
3

PO202 - Introduction to Comparative Politics

Course Overview

Description
An introductory course that acquaints students with the comparative study of politics. The course will compare executive and legislative relationships, electoral systems, ideologies, and political parties. Various countries from around the world will be used to illustrate the application and consequences of different institutions and ideas. Credit cannot be earned in both PO 202 and POLS 306. Prerequisite: Freshmen or Sophomore standing.

Semester Credits

	Maximum Variable Credits:
3	-

PO215 - International Relations

Course Overview

Description
An inquiry in assumptions, theories, and dogmas of the modern state system. Examination and evaluation of such topics as realist theory; conflict resolution; game theory; decision-making theory; and ecopolitics. Prerequisite: Freshmen or Sophomore standing.

Semester Credits

	Maximum Variable Credits:
3	-

PO220 - Research Methods

Course Overview

Description
An introduction to the methods of political analysis, standard nomenclature, and basic research methods relied upon in the study of politics. Emphasis is placed on quantitative methods and ethical issues in conducting research. Prerequisite: Sophomore or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PO300 - Special Topics in Politics

Course Overview

Description
Select topics offered in Politics. Prerequisite: Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

PO301 - Special Topics in International Relations

Course Overview

Description
Select topics in the area of International Relations. A maximum of three classes may be applied to the student record when taken under different course title/topic. 3 Lecture hours. Prerequisite: PO 215, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO303 - Political Philosophy

Course Overview

Description
After introducing the political philosophies of Socrates, Plato and Aristotle, this course explores the ideas of major Western thinkers from the Renaissance through the Industrial Revolution. The course not only examines each philosopher's understandings of power, justice, equality and freedom, but also contemporary applications and implications of these ideas. Requisite: Sophomore 2 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO305 - Geopolitics

Course Overview

Description
Geopolitics will give students an increased appreciation of the influence of geography on political decision-making. This course will help students visualize world politics and understand how geography affects both national and transnational political behaviors. Students will learn to think and write critically about such issues and forces as globalization, development, and conflict. Students will develop an understanding of how interests and perceptions are shaped by geography. Prerequisite: PO 202 or PO 215, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO310 - European Politics

Course Overview

Description
A study of the political systems, cultures, and issues of selected countries from western, northern and southern Europe as well as Russia and the European Union. This course will also consider the relationship between domestic and foreign policies and the relationship between the United States and Europe. Prerequisite: PO 202, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO312 - The Presidency

Course Overview

Description
A study of the presidential office and its relationship with the major American political institutions. Prerequisite: PO 105, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO315 - Public Opinion and Political Behavior

Course Overview

Description
A study of the development of political attitudes and the formation of public opinion; the influence of public opinion on governmental policy through its relationship to political participation representation and leadership. Prerequisite: PO 105, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO320 - Topics in Area Studies

Course Overview

Description
Selected topics in area studies will be offered on occasion. This course will be used to cover subjects not included in the regular offerings in comparative politics. Topics may include the politics of a particular country or region such as Latin America, Africa, Eastern Europe, or the Middle East. A topics course may also be offered on a particular issue area such as foreign and defense policy, healthcare policy, welfare policy, or environmental policy. Permitted to be repeated three times under a different topic. Prerequisite: PO 202, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO321 - U.S. Constitutional Law

Course Overview

Description
Introduction to the evolution and structure of the American constitutional system, focusing on the federal relationship, the separation of powers, and judicial review, relying primarily upon the case method of analysis. Sophomore 2 or higher or Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

PO324 - Civil Liberties

Course Overview

Description
An examination of the relationship of individuals to government, relying primarily upon the case method of study, with specific consideration of problems of equal protection, due process, privacy, and freedoms of speech and religion. Sophomore 2 or higher or Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

PO326 - Model United Nations

Course Overview

Description
Model United Nations is an experiential learning activity that culminates in an annual conference where students assume the role of a United Nations member state and represents that states positions in committees that mirror the institutional structure of the UN. Students research and write position papers that are presented at the national conference. During the conference, students collaborate and develop consensus to produce written policy proposals on current global challenges debated at the United Nations. Conference attendance mandatory. 1 Credit hour. Three accumulated hours will comprise one 3 credit course. Can be used for PO free elective or free elective. Open to all majors. Prerequisite: Instructor and Department Permission. Offered: Spring

Semester Credits

	Maximum Variable Credits:
1	-

PO330 - American Citizenship

Course Overview

Description
Using the Declaration of Independence, the Constitution and the Bill of Rights as a foundation, this course examines what it means to be a citizen of the United States. The course addresses such questions as: What are citizens entitled to and what do they owe the state and each other? Is there an obligation to obey political authority? Is there ever an obligation to disobey authority? An important consideration is the role of the military in American political life and in particular, the relationship between the military ethic and republican values. Prerequisite: PO 105, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO333 - American Foreign Policy

Course Overview

Description
Through studies of the three levels of analysis: personal political psychology, bureaucratic politics, and international relations, this course examines the processes of American foreign policy formulation and execution; it explores the objectives, methods, and consequences of major U.S. foreign and military policies. If practicable, students will take part in role-playing simulations. Prerequisite: PO 105 or PO 202, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO340 - Revolution and Forces of Change

Course Overview

Description
A critical analysis of several revolutions that will examine causes, outcomes, and accepted explanations in an attempt to discern generalities applicable to all revolutions. Prerequisite: PO 202, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO348 - Asian Politics

Course Overview

Description
A study of the political systems, cultures, and issues of the People's Republic of China, Taiwan, Japan, North and South Korea, Vietnam, Indonesia, Pakistan, and India. This course will pay particular attention to the relationship between the West and Asia, the processes of modernization, and the role of Asia in contemporary international relations. Prerequisite: PO 202, Grade of C or higher.

Semester Credits

	Maximum Variable Credits:
3	-

PO388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PO400 - Independent Study

Course Overview

Description
An opportunity for qualified upperclassmen students to engage in an intensive reading or research program in fields of interest not satisfactorily covered by regular course offerings. Periodic conferences will be required. Permitted to be repeated thee times under a different topic. Prerequisite: written consent of the instructor to a specific project presented by the applicant; junior status or higher. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

PO403 - Internship

Course Overview

Description
Supervised field-based learning experience in government agencies, nonprofit organizations, political campaigns, or related professional settings. Students apply political science knowledge, theories, and methods in practice while developing professional skills, networking, and career readiness. Credit hours may vary . Maximum 12 credits toward degree. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
1	12

PO410 - Capstone Seminar in Political Science

Course Overview

Description
A research and writing course designed to introduce students to graduate standards of original research and critical writing in political science. Prerequisite: Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

PO415 - International Law

Course Overview

Description
This course examines the development of international law, and assesses its effectiveness in governing the relations among nation-states. The course examines early as well as more recent efforts to build a body of such law. It compares international law with domestic law, and explores the principal sources of international law. The course uses cases to analyze the development of international law in areas such as extraterritorial jurisdiction, the range of sovereignty, diplomatic relations, the treaty system, arbitration and adjudication, the use of force, human rights, the environment, and economic relations. Prerequisite: PO 215, Grade C or higher. Offered: Alternate years.

Semester Credits

	Maximum Variable Credits:
3	-

PO488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PO490 - Honors in Political Science

Course Overview

Description
A substantial, sequential, research and writing project. See description of department honors program. Prerequisite: Permission of Instructor. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

PO491 - Honors in Political Science

Course Overview

Description
The second semester of honors in political science. Devoted to writing and defending the honors thesis. Prerequisite: PO 490, Grade of B or higher and Permission of Instructor and Program Coordinator.

Semester Credits

	Maximum Variable Credits:
3	-

POLS302 - National Security Policy

Course Overview

Description
This course introduces students to the issues and institutions of national security policy. Successful students will have an appreciation of strategic thought and strategy formulation, the ability to assess national security issues and threats, and an understanding of the political and military institutions involved in the making and execution of national security policy.

Semester Credits

	Maximum Variable Credits:
3	-

POLS306 - Comparative Politics

Course Overview

Description
This course introduces students to the basic methods, concepts and substance of comparative politics. Special attention will be paid to institutions and behaviors as well as development and modernization theories. The course provides students with tools to address such questions as: What is a political system? What are the different varieties of democracies and authoritarian regimes? Are some regimes more vulnerable to political violence than others? What explains the transition from authoritarianism to democracy and can that process be reversed? How does geography impact the political, economic, and social development of a region? Credit cannot be earned in both POLS 306 and PO 302.

Semester Credits

	Maximum Variable Credits:
3	-

POLS318 - International Terrorism

Course Overview

Description
This course addresses the effects of a variety of forms of sub-state violence on world affairs. Topics include sources of terrorism, its major characteristics, the problems it poses for global peace and stability, responses to terrorism by countries and international organizations, and the problem of balancing public safety and personal freedom in dealing with terrorism.

Semester Credits

	Maximum Variable Credits:
3	-

PS107 - Solar System Astronomy

Course Overview

Description
A descriptive study of the solar system, including the sun, planets, asteroids, comets and interplanetary space. The role of observation in the evolution of astronomy is emphasized. 3 Lecture hours and 2 Lab hours.

Semester Credits

	Maximum Variable Credits:
0	4

PS108 - Stellar and Galactic Astronomy

Course Overview

Description
A descriptive introduction to the universe, including stars, galaxies, and recent deep space discoveries. Discussions survey the techniques used by astronomers to interpret the wide variety of observed phenomena in the cosmos. 3 Lecture hours and 2 Lab hours.

Semester Credits

	Maximum Variable Credits:
0	4

PS120 - Problem Solving for Physics I

Course Overview

Description
Studio like course where physics or related fields, students from all years work on various self-contained modules under the supervision of a faculty member. Modules are designed to help students develop critical problem solving skills in mathematics and physics, cover specific topics not typically included in the regular offerings and acquire transferable skills. Examples of module topics include algebraic manipulations, order of magnitude estimates and dimensional analysis, reading data sets and plots and basic programming. May be repeated for no more than two credits and a different topic. Restriction: Physics majors/minors. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
1	-

PS188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PS201 - General Physics I

Course Overview

Description
An algebra-based study of mechanics, sound and heat, with correlated laboratory experiments. 3 Lecture hours and 2 Lab hours. Prerequisite: MA 107.

Semester Credits

	Maximum Variable Credits:
0	4

PS202 - General Physics II

Course Overview

Description
An algebra-based study of magnetism, electricity, light, and atomic physics, with correlated laboratory experiments. 3 Lecture hours and 2 Lab hours. Prerequisite: PS 201. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
0	4

PS211 - University Physics I

Course Overview

Description
A calculus-based study of vectors; Newton's laws; uniform, accelerated, rotational and harmonic motion; conservation laws; fluid mechanics; elasticity. 3 Lecture hours and 2 Lab hours. Prerequisite: MA 121. Offered: Fall

Semester Credits

	Maximum Variable Credits:
0	4

PS212 - University Physics II

Course Overview

Description
A calculus-based study of topics in electricity, magnetism, waves and optics. 3 Lecture hours and 2 Lab hours. Prerequisite: PS 211, MA 122. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	4

PS288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PS334 - Classical Mechanics

Course Overview

Description
A study of Newtonian mechanics including motion of a particle, a system of particles and rigid bodies; gravitation; oscillations; central forces; conservation laws. Introduction to Lagrangian and Hamiltonian formulations of dynamics. 3 Lecture hours. Prerequisites: PS 212, MA 224 or Permission of Instructor. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
3	-

PS341 - Modern Physics

Course Overview

Description
A study of the quantum revolution including special relativity, structure and spectra of atoms and molecules, radioactivity, nuclear models, and nuclear interactions. 3 Lecture hours. Prerequisites: PS 212, MA 224 or Permission of Instructor. Offered: Fall, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

PS356 - Thermal & Statistical Physics

Course Overview

Description
A study of the foundations of thermodynamics and statistical physics: first and second laws of thermodynamics with applications; thermodynamic potentials and applications to systems in equilibrium; statistical mechanics including Boltzmann statistics, quantum statistics and statistical interpretation of entropy. 3 Lecture hours. Prerequisites: PS 212, MA 224 or Permission of Instructor. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

PS373 - Junior Laboratory I

Course Overview

Description
A laboratory course devoted to scientific inquiry through a collaborative research project under faculty supervision. Introduction to formulation of research questions, experimental design, system modeling, measurement, data collection and data analysis. Laboratory methodology including safety procedures. Read published literature; communicate research results. Written and oral reports required. 4 Lab hours. Prerequisites: PS 212, MA 224 or Permission of Instructor. Offered: Fall

Semester Credits

	Maximum Variable Credits:
2	-

PS374 - Junior Laboratory II

Course Overview

Description
A laboratory course devoted to scientific inquiry through a continuation of the collaborative research project started in Junior Laboratory I. Project culminates in public presentations, written and oral, of research results. 4 Lab hours. Prerequisite: PS 373 or Permission of Instructor. Offered: Spring

Semester Credits

	Maximum Variable Credits:
2	-

PS388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PS399 - Pilot Course in Physics

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
1	4

PS421 - Advanced Laboratory I

Course Overview

Description
A laboratory investigation in a specific area of experimental physics designed in consultation with physics faculty. Prerequisite: Permission of Instructor. Offered: Fall

Semester Credits

	Maximum Variable Credits:
1	4

PS422 - Advanced Laboratory II

Course Overview

Description
A laboratory investigation in a specific area of experimental physics designed in consultation with physics faculty. Prerequisite: Permission of Instructor. Offered: Spring

Semester Credits

	Maximum Variable Credits:
1	4

PS426 - Electricity and Magnetism

Course Overview

Description
A study of electrical circuits, and electrostatic and magneto static fields. Includes RLC circuits; applications of Gauss' Law and Laplace's equation; dielectric theory; magnetic fields; and theory of magnetic materials. 3 Lecture hours. Prerequisites: PS 212, MA 223, MA 224. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
3	-

PS428 - Electrodynamics & Optics

Course Overview

Description
This course continues PS 426 Electricity & Magnetism, combining electricity, magnetism and optics into a unified theory embodied by Maxwell's equations. Includes an introduction to relativistic applications and optical phenomena. 3 Lecture hours. Prerequisites: PS 426. Offered: Spring, odd years.

Semester Credits

	Maximum Variable Credits:
3	-

PS444 - Quantum Physics

Course Overview

Description
A study of the mathematical structure of quantum mechanics and applications to atomic and nuclear phenomenon. Topics include postulates of quantum mechanics, operators, Schrodinger's equation, one-dimensional potentials, angular momentum, spin, perturbation theory, and identical particles. 3 Lecture hours. Prerequisites: PS 341. Offered: Spring, even years.

Semester Credits

	Maximum Variable Credits:
3	-

PS451 - Seminar I

Course Overview

Description
A study of special topics of current interest. This course integrates reading, writing, speaking and critical thinking skills. 1 Lecture hour. Prerequisite: Physics major and Permission of Instructor. Offered: Fall

Semester Credits

	Maximum Variable Credits:
1	-

PS452 - Seminar II

Course Overview

Description
A continuation of PS 451, investigating special topics of current interest. This course integrates reading, writing, speaking, and critical thinking skills. 1 Lecture hour. Prerequisite: Physics Major and Permission of Instructor. Offered: Spring

Semester Credits

	Maximum Variable Credits:
1	-

PS473 - Senior Laboratory I

Course Overview

Description
A laboratory course devoted to scientific inquiry through a collaborative research project under faculty supervision. Introduction to formulation of research questions, experimental design, system modeling, measurement, data collection and data analysis. Laboratory methodology including safety procedures. Read published literature; communicate research results. Written and oral reports required. Students serve as project leaders as well as research investigators. 1 Lecture hour and 6 Lab hours. Prerequisites: PS 374 or Permission of Instructor. Offered: Fall

Semester Credits

3

Maximum Variable Credits:
-

PS474 - Senior Laboratory II

Course Overview

Description
A laboratory course devoted to scientific inquiry through a collaborative research project under faculty supervision. Introduction to formulation of research questions, experimental design, system modeling, measurement, data collection and data analysis. Laboratory methodology including safety procedures. Read published literature; communicate research results. Written and oral reports required. Students serve as project leaders as well as research investigators. 1 Lecture and 6 Lab hours. Prerequisite: PS 473. Offered: Spring

Semester Credits

3

Maximum Variable Credits:
-

PS488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

PUBH188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

PUBH288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

PUBH301 - Introduction to Public Health

Course Overview

Description
Designed to examine the current constructs of contemporary public health, students will survey the field of public health, identify stakeholder groups, what determines health, how public health is communicated and the approaches to understanding public health information. Emphasis is on discussion of the intersection and connection of human health, animal health and ecosystem health especially in areas where the U.S. military and government are providing assistance. Offered: Fall, Spring Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH302 - Public Health Program Planning

Course Overview

Description
Designed to expose public health undergraduate students to fundamental concepts and features of project implementation, including the concepts of population health and the basic processes, approaches, intervention that identify and address the major health related needs and concerns of populations, especially in areas where the U.S. military and government are providing assistance. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH310 - Public Health Evaluation Methods

Course Overview

Description
Designed to examine a systematic way to conduct an effective public health evaluation plan. Understanding and applying elements of an evaluation plan framwork allows students to view the program's context, procedures that are useful, feasible and ethical and to improve how program evaluations are conceived and conducted. The emphasis is on practical continuous evaluation plans that involve all public health stakeholders especially in areas where the U.S. military and government are providing assistance. Understanding program effectiveness outcomes is useful in policy formation and change. Prerequisites: PUBH 301 and PUBH 302. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH311 - Public Health Research

Course Overview

Description
Designed to provide an overview of research methods specific to public health. Course includes purpose, foundations, development of the research topic and research question, ethics, populations, study design, evaluation instrument development, data collection and analysis, report development and presentation of findings. Research methods in public health with consideration toward the U.S. military and government are emphasized. Prerequisites: MA 232 or MATH 232 or HHPR 139, PUBH 301 and PUBH 302. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PUBH410 - Health, Wellness and Disease Prevention I

Course Overview

Description
Designed to expand beyond the basic science of public health and to include models, approaches, resources, tools and programs that intersect human health, disease and wellness for population health. Clinical presentation and epidemiology of diseases provide opportunities to explore ways to minimize negative health outcomes and promote interventions for population health especailly in areas where the U.S. military and government are providing assistance. Prerequisites: BI 100 - 499, ES 100-499, GL 100-499, HHPR 101, HHPR 256, PUBH 310, PUBH 311.Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH411 - Health, Wellness and Disease Prevention II

Course Overview

Description
Designed to expand beyond the models, strategies, theories and programming found in PUBH 410. This is an applied course that provides opportunities to review and analyze various scenarios of population health and outcomes. Students will review the identified population, public health problem, programming used and outcomes and then will analyze the case scenario. Cases will span various populations, geographies and public health roles especially those roles directly related to first-responders, military and veterans. Prerequisite: PUBH 410. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH420 - Disaster Response Planning and Crisis Management I

Course Overview

Description
Designed to expand beyond the basic science of public health to include models, approaches, resources, tools, programs, and stakeholders that support the preparing, assessing, responding and managing disasters and other crisis-based situations. Disaster types, phases, plan principles and requirements, risk reduction, managing a crisis, and recovery concepts are presented across the continuum of disasters, from natural disasters to disasters created by human action, especially in areas where the U.S. military and government are providing assistance. Prerequisites: BI 100-499, ES 100-499, GL 100-499, HHPR 101, HHPR 256, PUBH 310 and PUBH 311. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH421 - Disaster Response Planning and Crisis Management II

Course Overview

Description
Designed to expand beyond the basic science of public health to include models, approaches, resources, tools, programs and stakeholders that support the preparing, assessing, responding, managing disaster and other crisis-based situations found in PUBH 420. This is an applied course that provides opportunities to review and analyze various scenarios of disaster response planning, crisis management and outcomes. Students will review various disaster planning and response scenarios and crisis management outcomes, and then will analyze the case scenario. Cases will span various disaster types, geographies, response and management roles especially those roles directly related to first-responders, military and veterans. Prerequisite: PUBH 420. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH450 - Integrative Public Health Experiential Capstone

Course Overview

Description
Designed to provide an opportunity to integrate, synthesize and apply public health knowledge through comulative and experiential activies. Demonstration of summative learning requires completion of a cumulative, integrative and applied experience or inquiry project that serves as public health capstone to the education experience. The experience may include but not limited to interships, service-learning projects, portfolio projects or research papers. Exposure to local-level public health professionals and/or agencies that engage in public health practice, especially those roles directly related to first-responders, military and veterans. Prerequisites: PUBH 411, PUBH 421, HHPR 450. Offered: Fall, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PUBH501 - Community and Public Health

Course Overview

Description
Designed to examine the current theory and research about contemporary public health. Students will utilize qualitative and quantitative approaches to access population level public health topics by describing the major causes and trends of morbidity and mortality in the U.S. and other global communities especially in areas where the U.S. military and government are providing assistance. Emphasis is on discussion of supporting, training and encouraging others in the pursuit of well-being in all dimensions of life and encouraging others to adopt and maintain wellness lifestyles given their respective population and cultures. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
4	-

PUBH502 - Cultural Diversity of Health

Course Overview

Description
Designed to examine the social and cultural determinants of health and illness in which students will explore the various principles and models of equitable health, analyzing the conditions and environments where people are born, live, work, recreate, worship and age and the effects of socioeconomic status, education level, geography, cultural idenity, social inclusion and integration and employment. Students will identify barriers to achieving equitable health and the resources needed to mitigate those barriers by evaluating health care systems in countries across the globe. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
4	-

PUBH503 - Health Communication

Course Overview

Description
Examines the research, information and data needed to plan, manage and assess health programs and to promote community health education. Students will learn core concepts for planning a communication framework as well as key strategies for educating the public about health issues, including understanding and reporting science, communicating for policy and advocacy and health literacy and numberacy. Students will design a health program that is culturally, population and audience appropriate. Additional emphasis will be placed on risk and emergency communication strategies, especially in resource poor countries. Prerequisite: PUBH 501 and PUBH 502. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH508 - Healthcare Systems, Leadership and Advanced Healthcare

Course Overview

Description
This course examines the healthcare system and guides students to assess and analyze the healthcare system in the context of advanced practice healthcare professional and the role of advanced practice healthcare professionals. The student explores organizational and system science, change theories and social change theories in its application to healthcare. Healthcare leadership including theory and styles as well as contemporary approaches, ethical practice and leadership strategies are examined. Inter/intra professional communication, teamwork, consultation, diversity and collaboration are discussed as cornerstones for patient safety, optimal health outcomes and accountability in health care. The student analyzes and evaluates the intersection of current and emerging healthcare system challenges and advanced practice role dimensions. Offered: Fall, Winter, Spring, Summer.

Semester Credits

	Maximum Variable Credits:
3	-

PUBH510 - Health Policy Advocacy Economic Healthcare

Course Overview

Description
This course examines healthcare delivery in the United States, to include the role of public policy, advocacy, and industry regulation. Health policy perspectives and the analytical tools to understand the national policy-making environment are integrated throughout the course. Key policy issues and core constructs for analysis include national health expenditures and cost containment strategies, patient access and health disparities, health care quality and performance improvement, and workforce policy. Health care reform, future directions and trends, and policy innovations are examined for their impact on advanced nursing practice, service delivery, and health outcomes. Health systems of other developed and developing countries are examined to gain a global perspective and appreciation for a variety of health system attributes. Offered: Fall, Winter, Spring, Summer.

Semester Credits

3

Maximum Variable Credits:
-

PUBH514 - Epidemiology and Population Health

Course Overview

Description
This course provides a foundation of key concepts essential to population-focused healthcare professionals, the aggregate, community or population as the unit of care. The focus of the course is on health promotion/disease prevention with emphasis on the advanced role of healthcare professionals in clinical prevention of disease and care of populations. Applying concepts of primary, secondary, and tertiary health promotion across the lifespan, the student relates the basic concepts of epidemiology to multiple domains of population health, using epidemiology to better understand, characterize and promote health at a population level. Disease prevention and health promotion of populations are examined through the study of the occurrence and distribution of health-related states or events, including the study of social determinants of health. Offered: Fall, Winter, Spring, Summer.

Semester Credits

3

Maximum Variable Credits:
-

PUBH520 - Global Health

Course Overview

Description
Examines how to identify and improve public health outcomes in various global populations and cultures by analyzing the effect of cultural norms on socioeconomic inequalities. Students examine global regulatory issues and address emerging global public health concerns and acquire an understanding of how global health epidemiology, international public health and global medicine are foundational to promoting global public health. Offered: Fall, Winter, Spring, Summer.

Semester Credits

4

Maximum Variable Credits:
-

PUBH525 - Advanced Healthcare Professional Research and Evidence Based Practice

Course Overview

Description
This course focuses on the use of the research process in developing new healthcare professional knowledge and applying that to an evidence-based practice. The student examines and develops research questions, considers theoretical frameworks, methods of data collection and analysis, and the interpretation and use of study findings in providing evidence-based care of individuals, families, and communities. The importance of scientific integrity and ethical standards are emphasized and ethical issues in the conduct of research are explored. The student is prepared to critically appraise and utilize research and identify researchable problems within the context of their own practice. Offered: Fall, Winter, Spring, Summer.

Semester Credits

3

Maximum Variable Credits:
-

PUBH530 - Disaster Planning

Course Overview

Description
Examines the various perspectives and research that informs disaster planning. Student will evaluate the strength of disaster plans and analyze how the strength of the plan affects disaster preparedness, disaster response, management and community recovery. Emphasis is placed on interprofessional and intersectional practice and systems thinking which are essential to formulating and enacting sustainable disaster plans. Offered: Fall, Winter Spring, Summer.

Semester Credits

Maximum Variable Credits:

4

-

PUBH540 - PH Crisis Management

Course Overview

Description

Examines the complexities of confronting public health critical incidents and crisis management. The role of leadership, how decisions are made and implemented, information communication formats and distribution and stakeholder input are examined. Students will utilize theories of crisis management and foundational concepts to strategize how to respond comprehensively to a public health crisis. Emphasis will be placed on the roles and responsibilities of local, state, national and international organizations, including the U.S military and first responders in crisis management and response. Prerequisite: PUBH 520 and NR 593. Prerequisite course PUBH 530 may be taken concurrently. Offered: Fall, Winter, Spring, Summer.

Semester Credits

Maximum Variable Credits:

4

-

PUBH550 - Public Health Practicum

Course Overview

Description

An application of public health experiences through utilization of knowledge and skills obtained in the PUBH program and previous experiences. The student will work individually to define and develop a public health project from project scoping, formulating a question or problem statement, obtaining data sources and information, formulating an assessment plan implementing the project and communicating the results.Prerequisite: Grade of B, or higher in PUBH 530 and PUBH 540. Offered: Fall, Winter, Spring, Summer.

Semester Credits

Maximum Variable Credits:

3

-

PUBH560 - Capstone

Course Overview

Description

Students will synthesize program learning with a particular focus on public health scenarios. Students work as small teams to analyze public health scenarios and case studies that are situational to a military, first responder or a health care professional and the respective body of knowledge needed for that individual. Learning experiences allow students to collaborate across professions to enhance the attitudes, skills and behaviors necessary to work effectively in health care teams. Scenarios and case studies will focus on particular use of various foundational public health skills students have acquired throughout the PUBH program of study. Prerequisite: PUBH 530 and PUBH 540. Prerequisite course PUBH 550 may be taken concurrently.

Semester Credits

Maximum Variable Credits:

4

-

PUBH588 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

PY110 - Introduction to Psychology

Course Overview

Description
Application of scientific methods to the brain, mind and behavior. Topics within Psychology include biopsychology, perception, cognition, learning, memory, perception, personality, clinical, developmental and social psychology. A student with credit in PY 211 cannot also earn credit in PY 110. Offered: Fall, Spring, Summer.

Semester Credits

3

Maximum Variable Credits:
-

PY188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

PY210 - Psychology of Leadership

Course Overview

Description
This course is designed to introduce students to the theoretical aspects of leadership, and to help them understand how theory applies to real situations. Topics include leadership models, leader behavior, leadership skills, followership, teams and motivation. Students will be expected to analyze cases, current situations and their own leader style.

Semester Credits

3

Maximum Variable Credits:
-

PY212 - Abnormal Psychology

Course Overview

Description
A course on the origin and development of psychopathology with emphasis on the biological, social, and psychological determinants. Prerequisite: PY 211 or Permission of Instructor.

Semester Credits

3

Maximum Variable Credits:
-

PY220 - Developmental Psychology

Course Overview

Description
A lifespan study of normal development with emphasis on physical, intellectual, social, and emotional growth. Prerequisite: PY 211 or Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

PY230 - Biopsychology

Course Overview

Description
This course is a survey of the neurophysiological bases of human behavior. Topics include basic brain anatomy and physiology, neurotransmitters and drugs, sensation and perception, learning and memory, sleep, and neurological disorders.

Semester Credits

	Maximum Variable Credits:
3	-

PY232 - Engineering Psychology

Course Overview

Description
The objective of this course is to expose students to the theoretical foundations of research in human factors. Students will be introduced to basic concepts in psychology such as perception, attention, decision making, and motor control. Knowledge of these concepts is critical for the intelligent design of human-technological systems.

Semester Credits

	Maximum Variable Credits:
3	-

PY234 - Forensic Psychology

Course Overview

Description
A survey of psychological research and theory dealing with criminal behavior and the legal system. Topics include prediction of violent behavior, sexual assault, victimization, juvenile delinquency, scientific jury selection, criminal investigation and profiling, eyewitness testimony, assessment of mental competency, lie detection, DNA testing, and forensic science.

Semester Credits

	Maximum Variable Credits:
3	-

PY236 - Cross-Cultural Psychology

Course Overview

Description
This course will expose students to the influence of culture on human behavior, and will illustrate differences and commonalities in behavior, verbal and non-verbal, attitudes, and values across a range of cultures around the world. Issues concerning cultural contact and inter-cultural relations will be considered to enhance a student's ability to deal with and understand variations in human behavior across cultures and ethnic groups. Methodological issues of particular importance to cross-cultural research will be discussed.

Semester Credits

	Maximum Variable Credits:
3	-

PY238 - Political Psychology

Course Overview

Description
This course will examine key research in political psychology which includes the interactions of political and psychological processes and their impact on behavior in personal, local and global communities.

Semester Credits

	Maximum Variable Credits:
3	-

PY240 - Introduction to Social Psychology

Course Overview

Description
A general survey of theories, methods and research on individual behavior in a social context. Among topics to be considered are: aggression, interpersonal attraction, affiliation, person perception, attitudes, group processes, and social influence. Prerequisite: PY 211.

Semester Credits

	Maximum Variable Credits:
3	-

PY241 - Introduction to Personality Theory

Course Overview

Description
An overview of selected influential statements regarding the structure, dynamics, and development of the human personality. Included are the theories of the Freudians, Freud, Jung, Adler, the Environmentalists Dollard and Miller, Skinner, and the Existentialists and Humanists Rogers, Maslow, Frankl. Comparisons among theorists are organized around philosophical and historical themes. Prerequisite: PY 211.

Semester Credits

	Maximum Variable Credits:
3	-

PY263 - Perception

Course Overview

Description
Coverage of the major themes and research in perception. Topics include perception of color, form, motion, depth, illusions, perceptual learning, development, and the physiology of perception. Prerequisite: PY 211 or Permission of Instructor.

Semester Credits

Maximum Variable Credits:

3

-

PY278 - Careers in Psychology

Course Overview

Description

Provides an overview of career paths available to psychology majors, focusing on graduate education, professional practice and opportunities in various fields such as healthcare, education, business and research. Topics include self assessment, job market analysis, networking and skill development. Students engage in practical activities such as career planning, resume building and mock interviews to prepare for future professional opportunities. By the end of the course, students create a personalized career plan outlining their goals and the steps needed to achieve them. Prerequisite: PY 110. Grade of D- or higher. Offered: Spring.

Semester Credits

Maximum Variable Credits:

3

-

PY288 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

PY299 - Pilot Course

Course Overview

Description

A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

Maximum Variable Credits:

0

3

PY313 - Experimental Psychology I

Course Overview

Description

A course on the principles and skills required to plan, execute, and interpret psychological research. Topics include the nature of science, the value of empirical evidence, psychology viewed as a science, the logic of experiments, and the ethics of using human subjects. Students are taught to develop a testable idea, to write and read research reports, and to design, conduct, and analyze univariate and correlational studies. Prerequisite: PY 211 or Permission of Instructor.

Semester Credits

Maximum Variable Credits:

3

-

PY324 - Adolescent Psychology

Course Overview

Description
This course examines the physical, emotional, social, cognitive aspects of adolescence from a developmental perspective. Identity, autonomy, sexuality, achievement, and intimacy are examined within the context of the school, the peer group, and the family. Students will have the opportunity to work with adolescents in schools, recreational centers, counseling centers, or through youth service agencies. Required for secondary teacher licensure candidates. Prerequisite: PY 211.

Semester Credits

	Maximum Variable Credits:
3	-

PY344 - Cognition

Course Overview

Description
Overview of research and theory on human cognitive processes emphasizing the acquisition, storage, representation, retrieval and use of knowledge. Topics include memory, concept formation, language and thought, problem solving and creativity, and cognitive development. Lab will include hands-on experiments in cognitive research paradigms.

Semester Credits

	Maximum Variable Credits:
0	4

PY350 - Environmental Psychology

Course Overview

Description
A study of the relationship between people and the environment, the use of space as a means of regulating social interaction, and human responses to environmental stressors such as overcrowding, toxic agents, noise, air, and water pollution. Also a brief look at ecological psychology in which setting-specific rather than person-specific determinants of a person's reaction to the environment are analyzed. Prerequisites: PY 211.

Semester Credits

	Maximum Variable Credits:
3	-

PY352 - Learning and Memory

Course Overview

Description
This course provides an overview of historical and current research findings in the area of learning and memory. The subject will be approached from various theoretical approaches, including behaviorist, cognitive, and neurobiological paradigms. Labs will include hands-on experiments using research paradigms from the field of learning and memory.

Semester Credits

	Maximum Variable Credits:
0	4

PY355 - Psychology and the Law

Course Overview

Description
A course that examines the research of psychology as it relates to the judicial process; the nature, source, and development of antisocial behavior and forensic psychology relative to the development of law and policy at the national and international levels. Prerequisites: PY 211.

Semester Credits

	Maximum Variable Credits:
3	-

PY360 - History and Systems of Psychology

Course Overview

Description
An overview of significant movements, theories and individuals in the development of contemporary psychology. The course is organized around significant themes and includes discussion of the philosophy of scientific growth, structuralism, functionalism, behaviorism, Gestalt psychology and psychoanalysis. Included will be examples, cases, and discussions of the APA ethics code that governs the performance of professionals in the field of psychology. Prerequisite PY 211.

Semester Credits

	Maximum Variable Credits:
3	-

PY388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PY398 - Senior Thesis I

Course Overview

Description
The students will prepare a senior thesis prospectus in accordance with the ethical standards of the Human Subjects Committee. Prerequisites: PY 313. Offered: Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

PY401 - Senior Seminar

Course Overview

Description
This course is the capstone experience marking the end of a student's undergraduate studies. Students both majoring and minoring in psychology will be provided the experience of synthesizing their learning across their courses in the context of a liberal arts education. Prerequisites: PY 211, PY 313, PY 314.

Semester Credits

	Maximum Variable Credits:
3	-

PY451 - Thematic Seminar

Course Overview

Description
A seminar course which deals with particular theories or areas of psychology not elsewhere covered in depth or within present course offerings. Prerequisite: PY 211 and Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

PY452 - Thematic Seminar

Course Overview

Description
A seminar course which deals with particular theories or areas of psychology not elsewhere covered in depth or within present course offerings. This course is repeatable up to 8 times when a different topic/title. Prerequisite: PY 211 and Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

PY453 - Internship

Course Overview

Description
Assignments will include work and observation in local, state, and federal institutions or agencies concerned with the education, health, or the protection of society. Written and oral reports. Repeatable up to 15 credits. Prerequisites: PY 211 Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	9

PY471 - Directed Readings

Course Overview

Description
A course in which there is an opportunity to select and read in a specific area of interest that is not available through regular course offerings. Prerequisites: Three psychology courses and Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

PY488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

PY498 - Senior Thesis II

Course Overview

Description
A research course designed to enable a student to experience all phases of the experiment from literature research, experimental design, data collection and analysis, and written and oral reports. The student will learn all of the procedures, considerations, and standards necessary to ensure the ethical treatment of human participants. Prerequisites: Grade of D- or higher in PY 398. Offered Fall, Spring.

Semester Credits

	Maximum Variable Credits:
3	-

QM188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

QM213 - Business and Economic Statistics I

Course Overview

Description
A course emphasizing the development and presentation of statistical data for business and economic decision-making. Topics will include survey methods, statistical description measures, sampling distributions, statistical inference procedures, simple regression and time series analysis, and construction and use of index numbers.

Semester Credits

	Maximum Variable Credits:
3	-

QM288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

QM317 - Business and Economic Statistics II

Course Overview

Description
A course in which the statistical concepts developed in QM 213 are continued. New topics developed are multiple correlation and regression theory and analysis, the assumptions of regression analysis and econometric problems, and an introduction to simultaneous models and advanced topics. Prerequisite: QM 213. Offered: Fall, even years.

Semester Credits

	Maximum Variable Credits:
3	-

QM370 - Quantitative Methods for Marketing & Finance

Course Overview

Description
A course in which the statistical concepts developed in QM 213 are continued. The focus of the course will be the application of statistical techniques to real world issues in Finance and Marketing. Emphasis will be placed on problem solving, class participation, computer applications and completion of a term paper. 3 Lecture hours. Prerequisite QM 213.

Semester Credits

	Maximum Variable Credits:
3	-

QM388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

QM488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

RANK100 - Cadet Rank

Course Overview

Description
-

Semester Credits

0

Maximum Variable Credits:
-

RELG188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

RELG288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

RELG300 - Comparative Religion

Course Overview

Description
Based upon myth and built upon ritual, religious thought affects politics, economics, international relations and security. This course provides learners with the opportunity to explore and analyze the similarities and differences of world religions to better understand the impact of belief systems and religious themes on culture, human history and current affairs.

Semester Credits

3

Maximum Variable Credits:
-

RELG388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

RELG488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SA103 - Introduction to Drawing

Course Overview

Description
An introduction to drawing, emphasizing articulation of space and pictorial syntax while developing abilities of perception and ways of seeing. Class work is primarily based on observational study. Assigned projects address fundamental and conceptual problems through historical and contemporary artistic practice. 3 Studio hours.

Semester Credits

	Maximum Variable Credits:
3	-

SA104 - Introduction to Visual Design

Course Overview

Description
An introduction to the language of visual expression, using studio projects to explore the basic principles of visual art and design as a fundamental component of visual communication. Students acquire a working knowledge of visual syntax applicable to the study of art history, popular culture, and the art of composition. 1 Lecture hour and 3 Studio hours. Goal 3. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

SA105 - Introduction to Painting

Course Overview

Description
An introduction to the issues of contemporary painting, stressing a beginning command of the conventions of pictorial space, narrative, and the language of color. Students explore painting as a means of communicating ideas through visual symbols and metaphors. Class assignments and individual projects explore technical, conceptual, and historical issues central to the language of painting. 3 Studio hours. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
3	-

SA106 - Introduction to Printmaking

Course Overview

Description
An introduction to a diverse range of printmaking media: linocut, woodcut, and screen-printing process. Both color and black-and-white printing methods are explored. Class assignments and individual projects explore technical, conceptual, and historical issues central to the language of printmaking and its connections to contemporary culture. 3 Studio hours. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
3	-

SA107 - Introduction to Photography

Course Overview

Description
An introduction to photographic principles as a means of visual communication and its relationship to history and contemporary issues while examining the invention and history of photography. A single-lens reflex manual 35mm film camera is required. Course may be repeated one time when projects are different. 3 Studio hours. Offered: Occasionally.

Semester Credits

	Maximum Variable Credits:
3	-

SA111 - Foundations of Art and Architecture I

Course Overview

Description
An introduction to drawing and design, emphasizing articulation of space and pictorial syntax while developing abilities of perception, ways of seeing, and the language of visual perception as it relates to art and architecture design principles. Students acquire a working knowledge of visual expression applicable to the study of art and architecture history and artistic practice. 3 Studio hours. Restrictions: Restricted to Architecture Studies majors, Design Art majors or Permission of Instructor. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

SA112 - Foundations of Art and Architecture II

Course Overview

Description
An introduction to art and architectural three-dimensional design, emphasizing contemporary and traditional three-dimensional processes, concepts, and materials. Students present projects designed to introduce and fuse content, craftsmanship and the principles of design and composition. Emphasis is on solving visual problems and thinking critically, analytically and creatively. 1 Lecture hour and 3 Studio hours. Restriction: Restricted to Architecture Studies majors, Construction Management majors, Design Arts majors or Permission of Instructor. Offered: Spring

Semester Credits

	Maximum Variable Credits:
0	3

SA188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SA200 - Intermediate Studio

Course Overview

Description
This course is for students pursuing further study in one of the following areas: drawing, design, painting, photography, and printmaking. The focus is on developing more complex levels of thought more thorough incorporation of theory and individual initiative in project content and completion. Only one area of study will be pursued each semester. Can be repeated up to six enrollments. 6 Studio hours. Prerequisite: SA 100 level course or Permission of Instructor. Offered: Occasionally

Semester Credits

	Maximum Variable Credits:
3	-

SA288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SA300 - Advanced Studio

Course Overview

Description
Student must have an approved outline for their individual course of study. Can be repeated up to six enrollments. 6 Studio hours. Prerequisites: SA 100 or 200 level course; permission of instructor. Offered: Spring

Semester Credits

	Maximum Variable Credits:
3	-

SA388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SA400 - Business of Being an Artist

Course Overview

Description
This course explores the opportunities for being a professional artist in the corporate, educational, and nonprofit world as well as being an independent, self employed artist. Topics to be covered include; how artists set prices for their artwork, market themselves and their work, and sell their work directly to the public, corporations, government agencies, and nonprofit organizations. Students will learn about the exhibition opportunities for their work and how galleries and museums arrange sales and

commissions of artist's works. The course will also explore how artists set up contractual relationships with art dealers, auctioneers, and commissioning clients. Students will learn how to apply for loans, grants, and fellowships, and respond to requests for proposals of artistic works. The course will cover the areas of US and international law that concern art and artists (e.g. copyright, trademark, and patent laws). Permission of instructor. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

SA402 - Design Arts Capstone

Course Overview

Description
Students create and implement approved capstone project which is undertaken with guidance of faculty and industry partners and reflects integration of all elements of the Design Arts curriculum. The course will require a written and an oral presentation of the completed design to include, where appropriate, plans and specifications. Prerequisite: SA 300 Offered: Fall.

Semester Credits

	Maximum Variable Credits:
6	-

SA404 - Design Arts Internship

Course Overview

Description
The purpose of this internship/apprenticeship is to provide a structured learning experience and develop a bridge between a student's academic experience and professional practice. It provides students with an experiential form of learning that complements their academic learning, an opportunity to learn about the organizational and task environments in which design arts related businesses operate, and a chance to evaluate the ethical and value dilemmas they will later confront in their professional careers. Prerequisite: SA 300, 402. Offered: Spring.

Semester Credits

	Maximum Variable Credits:
1	6

SA488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SCIE188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SCIE202 - Science, Technology and Procedures in Forensic Investigations

Course Overview

Description
The course will focus on the scientific principles behind the recognition, collection, preservation, analysis and interpretation of physical evidence found at a crime scene. This course presents the science and technology used by modern forensic professionals that is best suited for non-science majors. The emphasis is placed on practical forensic applications of scientific principles in the areas of chemistry, physics, biology, geology and others. This is a lab science class where each week the student will have an online lab activity or case study in which to apply the various principles of forensic science covered in the course.

Semester Credits

	Maximum Variable Credits:
3	-

SCIE288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SCIE301 - Environmental Science

Course Overview

Description
A study of the dynamic interaction between human and environment with emphasis on ecosystem structure and function; the study, analysis and identification of optimal solutions to local and regional environmental issues and problems; and short- and long-term strategies for natural disaster or post-conflict remedial measures.

Semester Credits

	Maximum Variable Credits:
3	-

SCIE310 - The Scientific Basis of Sustainability

Course Overview

Description
Students examine how Sustainability Science has emerged in the 21st Century. Students learn how evidence-based, quantitative data are collected and used to define and monitor sustainability-related issues and problems, and how critical thinking skills are applied to an interdisciplinary understanding of problems and solutions, as well as how information networks can both supply important data and serve as a medium for communicating with other interested parties on a global basis. The course concludes by examining how sustainability science relates to an ever-widening range of decisions, strategies and activities in the private, public and military worlds. Prerequisite: Permission of the Division of Continuing Studies.

Semester Credits

	Maximum Variable Credits:
3	-

SCIE388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SCIE488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SO188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SO201 - Introduction to Sociology

Course Overview

Description
An analysis of the order and change in social life, both at the micro (interactional) and macro (societal) levels. An examination of fundamental concepts and research methods applied to understanding culture and socialization; social groups and organizations; social stratification; and social change.

Semester Credits

	Maximum Variable Credits:
3	-

SO202 - Problems of Modern Society

Course Overview

Description
This course examines the problems of American social institutions such as the family, the economy, and education, using basic sociological principles and paradigms. The course also covers problems of inequality, deviance, and problems of change and modernization.

Semester Credits

	Maximum Variable Credits:
3	-

SO212 - Cultural Anthropology

Course Overview

Description
Principles and methods in the comparative study of cultures. An examination of the concepts and theories in terms of which cultural anthropology is pursued. Cross-listed with SOCI 401, not permitted to earn credit for both SO 212 and SOCI 401. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

SO214 - Racial and Cultural Minorities

Course Overview

Description
A study of relations between racial and ethnic groups in modern America. Attention is also given to selected subordinate groups in the U.S. and other countries. Prerequisite: Sophomore or higher.

Semester Credits

	Maximum Variable Credits:
3	-

SO216 - Sociology of Health, Wellness & Medicine

Course Overview

Description
Introduction to the sociology of health, wellness and medicine. Examines the cultural and institutional aspects of health, wellness, and healthcare systems through basic sociological principles, paradigms and methods. Explores inequality in health outcomes, access to resources, and within the medical field. Includes an international comparative approach. Prerequisite: Open to Nursing majors and Sociology minors. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

SO218 - Intro to Cultural Competence

Course Overview

Description
This course presents key concepts in the study of cultures and explores how culture and cultural contexts and language influence values, expectations, behavior, communication styles and conflict resolution. Includes an international comparative approach. Credit in SO 218 cannot be earned when credit exists in SOCI 335, Mutually Exclusive. Offered: Spring, Summer, Fall.

Semester Credits

	Maximum Variable Credits:
3	-

SO288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SO300 - Topics in Sociology

Course Overview

Description
This course explores specialized topics in sociology, allowing students to examine contemporary and theoretical issues related to social structures, institutions, and human behavior. Topics vary by semester and may include areas such as social behavior, inequality, cultural dynamics, or institutional structures. Through critical analysis, discussion, and research, students will engage with sociological theories and methodologies to deepen their understanding of complex social phenomena. Repeatable if different course topic. Prerequisite: Grade of D- of higher in SO 201.

Semester Credits

	Maximum Variable Credits:
1	3

SO316 - Aging in Society

Course Overview

Description
Introduction to the sociological study of aging in society. This course examines the cultural, relational and institutional interpretations of aging through the life course using basic sociological principles, paradigms and methods. Students will explore inequality as it relates to aging and diverse populations in terms of health outcomes, in access to resources, and within the medical field. Prerequisite: SO 216 or SO 201. 3 Lecture hours. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

SO323 - Religion and Society

Course Overview

Description
Religion appears to be a constant feature of cultures throughout human history, including a dizzying range of beliefs and practices. As such, religion has been studied religiously – that is, from within a religious tradition – and academically, by a number of disciplines. This course takes a multidisciplinary, secular approach to understanding the role of religion in modern societies, using contrasting examples to search for the elements common to all religions. Specifically, we will utilize: 1) traditional comparative models of religion; 2) scientific approaches, such as the cognitive science of religion; and 3) sociological perspectives on contemporary issues (for example, religious freedom, representations of religion in popular media, etc.).

Semester Credits

	Maximum Variable Credits:
3	-

SO325 - Deviance

Course Overview

Description
Students will explore distinctions between what is right and wrong, good and bad and criminal and non-criminal and delves into the grey zones between these boundaries. In other words, deviance examines the broad scope of such divisions as a set of social processes involving social dynamics and influences. Students will learn a sociological understanding of deviance and examine many of the major categories such as criminal lifestyle and status deviance. Prerequisite: SO 201 or CRIM 101 or Permission of Instructor. Offered Fall.

Semester Credits

3

Maximum Variable Credits:
-

SO330 - Military Sociology

Course Overview

Description
This course provides a sociological perspective of the military as both an institution as an occupation. It examines the social structure and functions of the military and the social factors that influence behavior in and of the military. In terms of function, it examines the changing purposes of the military in view of changing national and international conditions; and in terms of structure, it examines the norms, values, traditions, organizations, and culture of the military. It is designed to provide greater insight into the routine life within the military and into contemporary issues confronting the military. Prerequisite: Sophomore or higher.

Semester Credits

3

Maximum Variable Credits:
-

SO334 - Opression and Empowerment

Course Overview

Description
This course explores anthropological perspectives on oppression and empowerment. Students will learn about systematic oppression along with modes of empowerment that have become an increasingly complementary research area especially in field such as anthropology, sociology and criminology. Students will explore social justice issues related to oppression and empowerment in society particularly with respect to factors such as socioeconomic status, race/ethnicity and gender. Prerequisite: SO 201 or Permission of Instructor. Offered: Fall

Semester Credits

3

Maximum Variable Credits:
-

SO342 - Quality of Life

Course Overview

Description
The course will examine the impact of social, psychological and physical factors on quality of life (QOL) outcomes. It introduces key concepts, theoretical perspectives and methodologies in the interdisciplinary field of health-related quality of life studies. It also explores cultural variations in the US and across other nations. Students will learn how to apply health related QOL assessment tools to evaluate the quality of life at societal, group and individual levels. Credit in SO 300 Quality of Life and SO 342 can be earned one time. Prerequisite: Sophomore or higher. Offered: Spring.

Semester Credits

3

Maximum Variable Credits:
-

SO362 - Media, Justice and Society

Course Overview

Description
An overview of major theories regarding mass society, mediation, and social constructionism, exploring media impact and public perceptions of social problems, policies, justice, crime and deviance. 3 Lecture hours. Prerequisites: SO 201, or SO 202 or CJ 101. Offered: Occasionally.

Semester Credits

3

Maximum Variable Credits:
-

SO388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

SO400 - Independent Study

Course Overview

Description
An opportunity for qualified junior or senior student to engage in an intensive research program in fields of interest not satisfactorily covered by regular course offerings. Periodic conferences will be required. This course is repeatable up to 8 times when a different topic/title. Prerequisite: Written consent of the instructor to a specific project presented by the applicant. Prerequisite: Sociology minor and SO 201, Cumulative quality point average of 2.5, Permission of Instructor.

Semester Credits

3

Maximum Variable Credits:
-

SO488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

SOCI188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

SOCI220 - Cultural Issues & CJ System

Course Overview

Description
This course explores the issues of race and ethnicity as they relate to crime and our criminal justice system in a culturally diverse society. Students will examine the broader social context of race and ethnicity in our American society, with a special focus on the changing ethnicity of communities and related changes in social and institutional public policy. Students will also learn how cultural diversity impacts the roles of the police, our court system, and correctional facilities; how it influences the death penalty; and how it affects juvenile and minority youth justice. Other discussion topics include cross-cultural communication, the implementation of cultural awareness training, multicultural representation in law enforcement, and criminal justice interaction.

Semester Credits

	Maximum Variable Credits:
3	-

SOCI288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SOCI388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SOCI401 - Culture and Anthropology

Course Overview

Description
Students complete a study for a particular region in relation to its culture, social groups and organizations, social stratification, and other relevant characteristics of the region. The study will include a comparative analysis of the various cultures and ethnic minorities that exist throughout the region. The study will further explore how the legal structure of the region deals with the cultural challenges and opportunities in the region. The studywill include recommendations for improvement and/or strengthening the societies in a region. The course culminates with a substantive research paper. Prerequisite: SO 218 or SOCI 335.

Semester Credits

	Maximum Variable Credits:
6	-

SOCI406 - Area Studies

Course Overview

Description
Students complete a study which surveys and evaluates a particular region in relation to its geographic location, diversity and resources. The study should include a summation of the geography of the region and how it relates to implementation of a project or the resolution of a problem in the region. Examines the current natural resources and resource challenges of the region, paying particular attention to mineral, oil, water and other high valued items present in the region. Analyze future challenges of the region in terms of geography as well as resources. The study will include recommendations for improvement and/or strengthening resources in a region. The course will culminate with a substantive research paper.

Semester Credits

6

Maximum Variable Credits:
-

SOCI488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

SOCI588 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

0

Maximum Variable Credits:
6

SP121 - Beginning Spanish I

Course Overview

Description
Students progress along the first steps towards acquiring basic languages skills: speaking, listening, reading, and writing, with a focus on their use for several modes of communication, such as the interpersonal, the interpretive, and the informative, within the context of the cultures of the Spanish-speaking world. For students with little or no previous exposure to Spanish. 4 Lecture hours. Prerequisite: None.

Semester Credits

4

Maximum Variable Credits:
-

SP122 - Beginning Spanish II

Course Overview

Description
Students continue progress toward novice-high skill levels in speaking, listening, reading, and writing - and their use in several modes of communication: the interpersonal, the interpretive, and the informative - all within the context of the cultures of the Spanish-speaking world. 4 Lecture hours. Prerequisite: SP 121 Modern Language Placement Score of SP 275-340.

Semester Credits

4

Maximum Variable Credits:
-

SP130 - Medical Spanish

Course Overview

Description
Medical Spanish positions future healthcare professionals to improve their patients' sense of trust and to improve the clinical experience and environment. This course will introduce essential medical vocabulary, practical reference information, and medical notes from a cross-cultural perspective. Students will develop new critical perspectives on health care for the Hispanic/Latinx communities in the US. Specifically, they will develop medical language skills and cultural competency for healthcare situations to communicate more effectively with Spanish- speaking patients and their families and their ways of coping with health issues. It will present everyday situations that students may encounter in work settings such as hospitals, emergency rooms, doctor's offices, and clinics dealing with Spanish-speaking patients. 3 lecture hour. Taught in Spanish. Prerequisite: None.

Semester Credits

	Maximum Variable Credits:
3	-

SP150 - Topics Course

Course Overview

Description
Specialized topics relating to culture, business practices, or language. Topic will be indicated in the schedule of classes. This is an introductory-level course. Taught in Spanish.

Semester Credits

	Maximum Variable Credits:
0	3

SP188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SP205 - Intermediate Spanish I

Course Overview

Description
A course that provides aural-oral practice in Spanish, in which students are enabled to enter into full discussion of topics that include abstract themes; review and expanded use of syntactical structures; intensive and extensive reading; and composition. 3 Lecture hours and 1 Lab hour. Prerequisite: SP 122 or Modern Language Placement Score of SP 351-535.

Semester Credits

	Maximum Variable Credits:
3	-

SP206 - Intermediate Spanish II

Course Overview

Description
A course that provides aural-oral practice in Spanish, in which students are enabled to enter into full discussion of topics that include abstract themes; review and expanded use of syntactical structures; intensive and extensive reading; and composition. 3 Lecture hours and 1 Lab hour. Prerequisites: SP 205 or Modern Language Placement Score of SP 536 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

SP230 - Spanish for Business

Course Overview

Description
Spanish for Business cultivates an understanding of the Spanish speaking business world across the United States, Latin America and Spain. This course introduces essential vocabulary for the globalized international business world, practical reference information and case studies that emphasize cross cultural perspectives. It promotes both classroom learning and cross cultural communications skills in the context of international business through real life situations that will allow the students to expand their knowledge and develop critical thinking and problem solving skills. Students learn how to facilitate connections with Spanish speaking companies, institutions, customers and colleagues. 3 Lecture hours. Taught in Spanish. Prerequisite: SP 122 or NU Placement Test score 275 or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

SP250 - Topics Course

Course Overview

Description
Specialized topics relating to culture, literature, business practices, or language. Topic will be indicated in the schedule of classes. Taught in Spanish. Counts as General Education Arts & Humanities elective. Course may be repeated for credit up to 4 times if the topic differs. Prerequisite: SP 206 or Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

SP288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SP299 - Pilot Course

Course Overview

Description
A pilot course is permitted twice without submitting the course to the University Curriculum for approval. The section will include the topic/title. A student will not earn credit for a pilot course and the course when approved as its own course. A pilot course is eligible to be repeated up to 8 times when the topic/title is different.

Semester Credits

	Maximum Variable Credits:
0	3

SP301 - Advanced Spanish I

Course Overview

Description
Oral and written practice of the language through class discussions of selected Hispanic authors. Selective review of grammar, especially of the more difficult and subtle aspects, designed to facilitate an idiomatic and fluent use of the language. 3 Lecture hours. Prerequisite: SP 206 or Modern Language Placement Score of SP 536 or higher.

Semester Credits

	Maximum Variable Credits:
3	-

SP302 - Advanced Spanish II

Course Overview

Description
Oral and written practice of the language through class discussions of selected Hispanic authors. Selective review of grammar, especially of the more difficult and subtle aspects, designed to facilitate an idiomatic and fluent use of the language. 3 Lecture hours. Prerequisite: SP 206.

Semester Credits

	Maximum Variable Credits:
3	-

SP305 - Spanish for Law Enforcement

Course Overview

Description
This course reinforces the student's Spanish written and spoken skills while focusing on many different aspects of the law enforcement environment. Objectives include attaining intermediate advanced oral proficiency by developing the student's ability to create with the language, to participate in short conversations, to ask and answer questions by using specialized law enforcement vocabulary in Spanish. Grammatical accuracy is sought through a selective review of basic constructions. In addition, emphasis will be placed on cultural issues that may affect successful interaction with Spanish speaking individuals and families faced with matters concerning law enforcement. 3 Lecture hours taught in Spanish. Prerequisites: SP 206, NU Placement Test score 536 or higher. Offered: Fall

Semester Credits

	Maximum Variable Credits:
3	-

SP306 - Interpreting and Translation

Course Overview

Description
Multilingual competence means navigating across languages to enable meaningful and productive communication. This course introduces the theory and practice of interpreting and translation from Spanish to English and vice versa. It will cover the essentials of oral, aural and written language use in a variety of text styles and situations and emphasize improving Spanish linguistic competencies. Students will analyze the cultural contexts in which the interpreting and translation activities occur to learn the technical and social complexities of providing interpreting and translation services the Hispanic/Latinx communities in the US. 3 Lecture hours. Taught in Spanish. Prerequisite: SP 206 or NU Placement Test score 536 or higher. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

SP350 - Topics Course

Course Overview

Description
Specialized topics relating to culture, literature, business practices, or language. Topic will be indicated in the schedule of classes. Taught in Spanish. Topics in Literature count as General Education Literature elective; others as General Education Arts & Humanities elective. Course is repeatable up to 4 times under a different topic name. Prerequisite: SP 301.

Semester Credits

	Maximum Variable Credits:
3	-

SP350EN - Topics Course in English

Course Overview

Description
Specialized topics relating to culture, literature, business practices, or language. Topic will be indicated in the schedule of classes. Topics in Literature count as a General Education Literature elective. This course does not count toward the B.A. Modern Language requirement. Taught in English. Course is repeatable up to 4 times under a different topic name. Prerequisite: SP 301, or concurrently.

Semester Credits

	Maximum Variable Credits:
3	-

SP360 - Topics in Spanish Literature

Course Overview

Description
This course explores topics of historical or contemporary interest specific to Spain through the reading of a variety of literary texts. Students will read, analyze and discuss literature from pre-Roman to the 21st century to garner a better understand of Spanish identity, to explore cultural themes and historical issues that have shaped Spain and to examine how literature reflects everyday life. Students will read a representative selection of major literary works from the time periods selected by the instructor. Courses numbered SP 360 Topics in Spanish Literature may be repeated up to 4 times for credit when offered as different topics. 3 Lecture hours. Taught in Spanish. Satisfies Gen Ed Goal 3 Arts and Humanities. Prerequisite: SP 301 or NU Placement Test score of 536 or higher or Instructor Permission. Offered: Fall.

Semester Credits

	Maximum Variable Credits:
3	-

SP361 - Topics in Spanish Culture

Course Overview

Description
This course explores topics of historical or contemporary interest specific to Spain through the examination of Spanish culture from pre-Roman times to the 21st century. Students will garner a better understanding of Spanish identity, explore cultural themes and historical issues that have shaped Spain and examine how culture reflects everyday life. Students will examine a representative selection of works from a time periods selected by the instructor. Courses numbers SP 361 Topics in Spanish Culture may be repeated for credit, up to 12 credits, when offered as different topics. 3 Lecture hours. Taught in Spanish. Prerequisite: SP 301 or NU Placement test score of 536 or higher. Offered: Fall.

Semester Credits

Maximum Variable Credits:

3

-

SP362EN - Topics in Spain

Course Overview

Description

This course explores topics of socio-historical, literary or contemporary interest specific to Spain. Students will read, analyze and discuss materials from pre-Roman to the 21st century to garner a better understanding of Spanish identity and to explore cultural themes and historical issues that have shaped Spain. Courses numbered SP 362EN Topics in Spain may be repeated for credit up to four times when offered as different topics. 3 Lecture hours. Taught in English. Prerequisite: EN 111. Offered: Fall.

Semester Credits

Maximum Variable Credits:

3

-

SP363 - Topics in Latin American Literature

Course Overview

Description

This course explores topics of socio-historical, literary or contemporary interest specific to Latin America through the reading of a variety of literary texts. Students will read, analyze and discuss literature from pre-Columbian to the 21st century to garner a better understand of Latin American identity, to explore cultural themes and historical issues that have shaped Latin America and to examine how literature reflects everyday life. Students will read a representative selection of major literary works from a time period selected by the instructor. Courses numbered SP 363 Topics in Latin American Literature may be repeated for credit up to four times when offered as different topics. 3 Lecture hours. Taught in Spanish. Prerequisite: SP 301 or NU Placement Test Score of 536 or higher.

Semester Credits

Maximum Variable Credits:

3

-

SP364 - Topics in Latin American Culture

Course Overview

Description

This course explores topics of socio historical or contemporary interest specific to Latin America through the examination of Latin American culture from pre-Columbian times to the 21st century. Students will garner a better understanding of Latin American identity explore cultural themes and historical issues that have shaped Latin America, and examine how culture reflects everyday life. Students will examine a representative selection of works from a time period selected by the instructor. Courses numbered SP 364 Topics in Latin American Culture may be repeated for credit up to four times when offered as different topics. 3 Lecture hours. Taught in Spanish. Prerequisite: SP 301 or NU placement Test score of 536 or higher. Offered: Fall.

Semester Credits

Maximum Variable Credits:

3

-

SP365EN - Topics in Latin America

Course Overview

Description

This course explores topics of historical or contemporary interest specific to Latin America. Students will read, analyze and discuss materials from pre-Columbian to the 21st century to garner a better understanding of Latin American identity and to explore cultural themes and historical issues that have shaped Latin America. Courses numbered SP 365EN Topics in Latin America may be repeated for credit up to four times when offered as different topics. 3 Lecture hours. Taught in English. Prerequisite: EN 111. Offered: Fall.

Semester Credits

Maximum Variable Credits:

3

-

SP366 - Topics in Latina/o Literature

Course Overview

Description

This course explores topics of socio historical, literary or contemporary interest specific to Latinas/os in the United States through the reading of a variety of literary texts. Students will read, analyze and discuss literature from the 19th through the 21st centuries to garner a better understand of Latina/o identity, to explore cultural themes and historical issues that have shaped the United States based Latina/o community and to examine how literature reflects everyday life. Students will read a representative selection of major literary works from a time period select by the instructor. Courses numbered SP 366 Topics in Latina/o Literature may be repeated for credit up to four times when offered as different topics. 3 Lecture hours. Taught in Spanish. Prerequisite: SP 301 or NU Placement Test score of 536 or higher. Offered: Fall.

Semester Credits

Maximum Variable Credits:

3

-

SP367 - Topics in Latina/o Culture

Course Overview

Description

This course explores topics of historical or contemporary interest specific to Latinas/os in the United States through the examination of Latina/o identity, explore cultural themes and historical issues that have shaped the United States-based Latina/o community and examine how culture reflects everyday life. Students will examine a representative selection of works from a time period selected by the instructor. Courses numbered SP 367 Topics in Latina/o Culture may be repeated for credit up to four times when offered as different topics. 3 Lecture hours. Taught in Spanish. Prerequisite: SP 301 or NU Placement Test score of 535 or higher. Offered: Fall.

Semester Credits

Maximum Variable Credits:

3

-

SP368EN - Topics in Latinas/os

Course Overview

Description

This course explores topics of historical or contemporary interest specific to Latinas/os in the United States. Students will read, analyze and discuss materials from the 19th through the 21st centuries to garner a better understanding of Latina/o identity and to explore cultural themes and historical issues that have shaped the United States based Latina/o community. Courses numbered SP 368 Topics in Latinas/os may be repeated for credit up to four times when offered as different topics. 3 Lecture hours. Taught in English. Prerequisite: EN 111. Offered: Fall.

Semester Credits

Maximum Variable Credits:

3

-

SP388 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SP415 - Seminar: Topics in Spanish Literature and Culture

Course Overview

Description
A study of a particular author, theme, genre, or literary movement including cultural themes. Topic varies each year these courses are offered. Prerequisite: SP 302, Spanish major or minor, Junior or higher.

Semester Credits

	Maximum Variable Credits:
3	-

SP421 - Reading and Research in Spanish Literature and Culture

Course Overview

Description
A report on an approved project of original research in Spanish or Spanish-American literature or civilization under the direction of a department member. Limited to students who have demonstrated aptitude for independent work. Prerequisite: SP 302, Spanish Major or minor, Junior or higher and Permission of Department Chair and Permission of Instructor.

Semester Credits

	Maximum Variable Credits:
3	-

SP488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SSDA188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SSDA288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

SSDA310 - Emergency and Disaster Relief Operations

Course Overview

Description
This course examines the principles used by emergency managers to respond to local or regional disasters. Students examine the NIMS (National Incident Management System) and other standards governing emergency management.

Semester Credits

	Maximum Variable Credits:
6	-

SSDA315 - Insurgency and Conflict

Course Overview

Description
Students compare and contrast selected insurgencies and counter-insurgencies from across the globe. Students gain knowledge needed to analyze and establish mission profiles for past, present and future conflicts.

Semester Credits

	Maximum Variable Credits:
6	-

SSDA320 - Information Operations

Course Overview

Description
This course introduces students to the overall concept of information warfare (IW) and information operations (IO), particularly in regard to the US federal government and Department of Defense.

Semester Credits

	Maximum Variable Credits:
6	-

SSDA325 - Law of Armed Conflict and Legal Basis for Use of Force

Course Overview

Description
A study of the law of armed conflict and the legal use of force. Students review international law theory, including the primary sources of international law, and then evaluate the impact of international law on past, present and future operations. Topics include: international law formulation; rules of engagement; issues surrounding detainees, internees and prisoners of war; air, land and sea laws; and the application of international law as it pertains to military operations.

Semester Credits

Maximum Variable Credits:

3

-

SSDA388 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

SSDA400 - The Capstone Project

Course Overview

Description

Students analyze and synthesize program learning with a particular focus on ethics and leadership. Students analyze ethical scenarios and a tactical ethics text and present an in-depth ethical analysis paper. Students must address how their work will contribute to the U.S. Military's body of knowledge about the topic(s) under discussion. Pre-requisites: Completion of all SSDA courses or Permission of the Program Manager.

Semester Credits

Maximum Variable Credits:

6

-

SSDA488 - No Norwich Equivalent

Course Overview

Description

This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

Maximum Variable Credits:

1

6

WRIT110 - Writing and Inquiry in Public Contexts

Course Overview

Description

Designed to empower students to develop flexible writing strategies at all stages of the writing process in order to communicate effectively in a variety of public contexts. Students are asked to prioritize and practice understanding of themselves, groups, contexts and values as the foundation of public discourse. Throughout the semester, students engage with diverse perspectives, understand rhetorical choices as both a writer and audience; engage in informed and ethical research practices and demonstrate productive peer collaboration. Credit cannot be earned in both EN 110 and WRIT 110. 3 Lecture hours. Offered: Fall, Spring, Summer.

Semester Credits

Maximum Variable Credits:

3

-

WRIT111 - Writing and Inquiry in Academic Contexts

Course Overview

Description
Building on the skills acquired in WRIT 111 Empowers students to communicate effectively in academic contexts. To do so, students are asked to develop understanding of texts, academic conventions, disciplines and their values as the foundation of academic discourse. Throughout the semester students build rhetorical skills to analyze how scholars communicate within, between and outside of disciplines, engage in informed and ethical research practices, demonstrate productive peer collaboration; develop flexible writing strategies at all stages of the writing process. Credit cannot be earned in both EN 111 and WRIT 111. 3 Lecture hours. Offered: Fall, Spring, Summer

Semester Credits

	Maximum Variable Credits:
3	-

WRIT188 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

WRIT199 - Pilot Course

Course Overview

Description
A course is permitted to run as a pilot without seeking faculty approval for one academic year. The section will include the title of the course. A student will not earn credit for a pilot course and the course when approved as its own course.

Semester Credits

	Maximum Variable Credits:
1	6

WRIT204 - Professional and Technical Writing

Course Overview

Description
Theory and practice of communicating on the job. Instruction addresses written, visual, and oral technical communication. Assignments involve students in practical, collaborative and technologically informed learning modeled upon realities of the work place. Credit cannot be earned in both COMM 301 or EN 204 and WRIT 204. Prerequisite: EN 102 or EN 111 or WRIT 111.

Semester Credits

	Maximum Variable Credits:
3	-

WRIT250 - Topics in Writing

Course Overview

Description
A course that focuses on a topic of interest in writing. May be repeated for credit with a different topic.

Semester Credits

3

Maximum Variable Credits:
-

WRIT254 - Sports Writing

Course Overview

Description
Write about sports as participants, fans and cultural critics, building a complex understanding of sports, its place in our culture, how sports writing persuades and how sports writing teaches us about ourselves. Students learn to write about sports in a variety of forms, including the column, beat report, personal narrative, sports poem and profile. Cannot earn credit in EN 254 and WRIT 254. 3 Lecture hours. Prerequisites: WRIT 111 or EN 111 or EN 102. Offered: Spring, odd years

Semester Credits

3

Maximum Variable Credits:
-

WRIT274 - Introduction to Creative Writing

Course Overview

Description
Introduction to Creative Writing establishes the principles and practices of writing creative nonfiction, fiction, and poetry. In addition to reading works in these three genres as models, students will produce original pieces that apply the theoretical principles of creative writing. Credit cannot be earned in both EN 274 and WRIT 274. 3 Lecture hours. Prerequisite: WRIT 111 or EN 111 or EN 102.

Semester Credits

3

Maximum Variable Credits:
-

WRIT276 - Environmental Writing

Course Overview

Description
Environmental Writing invites students to explore environmental issues such as sustainability, conservation, preservation, and wildlife management through creative writing and persuasive writing. Students will analyze how writers of fiction, poetry, and creative nonfiction invite their readers to take action. Students may also conduct independent research, which is often immersive or experiential, on an environmental topic towards the composition of their own creative essays, stories, and poems. Credit cannot be earned in both EN 276 and WRIT 276. 3 Lecture hours. Prerequisite: EN 102 or EN 111 or WRIT 111.

Semester Credits

3

Maximum Variable Credits:
-

WRIT278 - Digital Storytelling

Course Overview

Description
In Digital Storytelling, you'll learn about the dynamic world of writing in digital spaces. From social media to websites and beyond, you'll explore various ways of crafting stories using digital tools. Discover how technology has changed the way we write and tell stories and learn how to create compelling content for digital platforms. No technical expertise is needed. Prerequisite: WRIT 111 or EN 111.

Semester Credits

3

Maximum Variable Credits:
-

WRIT288 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

WRIT299 - Pilot Course

Course Overview

Description
A course is permitted to run as a pilot without seeking faculty approval for one academic year. The section will include the title of the course. A student will not earn credit for a pilot course and the course when approved as its own course.

Semester Credits

	Maximum Variable Credits:
1	6

WRIT362 - Arguing and Persuading

Course Overview

Description
In Arguing and Persuading, we'll explore the power of persuasive writing and argumentative strategies in contexts such as public speaking, politics, and online discussions (among many others). You'll learn about theories and methods for crafting compelling arguments and persuading others effectively. And you will practice persuasive and argument skills through engaging writing projects. Prerequisite: EN 111

Semester Credits

	Maximum Variable Credits:
3	-

WRIT388 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

	Maximum Variable Credits:
1	6

WRIT399 - Pilot Course

Course Overview

Description
A course is permitted to run as a pilot without seeking faculty approval for one academic year. The section will include the title of the course. A student will not earn credit for a pilot course and the course when approved as its own course.

Semester Credits

1

Maximum Variable Credits:
6

WRIT488 - No Norwich Equivalent

Course Overview

Description
This course is used for transfer when no equivalent Norwich course exists.

Semester Credits

1

Maximum Variable Credits:
6

WRIT499 - Pilot Course

Course Overview

Description
A course is permitted to run as a pilot without seeking faculty approval for one academic year. The section will include the title of the course. A student will not earn credit for a pilot course and the course when approved as its own course.

Semester Credits

1

Maximum Variable Credits:
6

XX488 - No Norwich Equivalent

Course Overview

Description
-

Semester Credits

1

Maximum Variable Credits:
6