



BROOKDALE
C O M M U N I T Y C O L L E G E

Brookdale Community College

2025-2026 Academic Catalog

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A Message From Brookdale's President



Brookdale Community College is a vibrant institution with a rich history. I am honored to serve as Brookdale's seventh President and to lead Monmouth County's Community College to its next level of excellence.

Brookdale is comprised of outstanding people - faculty who engage our diverse student population in the classroom, dedicated staff who support the educational goals of students, and, of course, our students. Brookdale students range in age, background, experience and ability, but all come with a fundamental goal: to learn.

Brookdale offers a broad range of activities for students and the community. You can see plays or art exhibits, enroll the kids in our Summer Camps for Kids at Brookdale, or take a course through our Continuing Professional Studies department. Our comprehensive Bankier Library, the Collins Arena, Fitness Center, award-winning lecture series and so much more also add to your Brookdale experience.

Take a moment to browse through our course catalog or our Continuing Professional Studies offerings on the Brookdale [website](#) and discover what Brookdale Community College has to offer you.

Sincerely,
David Stout, Ph.D.
President
Brookdale Community College

Vision, Mission, Values and Philosophy

Brookdale, the County College of Monmouth, is a dynamic community college system committed to student success, lifelong learning, economic development and the common good of society. Brookdale Community College plays a transformative role in our community, providing educational, cultural and professional programs and offerings to enable, empower and inspire community members to achieve their aspirations to the best of their abilities.

Mission

Brookdale Community College empowers a diverse community by providing open access to high-quality and cost-effective educational and lifelong learning options with clear paths to personal, educational, and economic success.

Values

The following values guide the Brookdale community in fulfillment of our Mission; each being of equal weight and importance:

1. **Educational excellence** through engagement, assessment and innovation
2. **Economic empowerment** through access, opportunity, and entrepreneurial partnerships
3. **Institutional integrity** through academic freedom, stewardship, and accountability
4. **Diversity** through inclusivity, human equity, and individual perspective

Evergreen Priorities

To ensure that our goals perpetually move us toward achieving our mission and vision, while remaining faithful to our values the College Board of Trustees established the following Evergreen Priorities:

1. *Promote Community Success*
2. *Develop Innovative Educational Pathways*
3. *Enhance Student Services*
4. *Optimize Operations*

Accordingly, we at Brookdale are committed to (1) proactively address the needs of our diverse community and empower it through access, inclusion, and equity; (2) ensure access to excellent, innovative, and affordable educational options; (3) provide students with the tools that they need to attain their goals; and (4) secure the future of the College's operations through implementation of preeminent business practices.

Brookdale Philosophy

Brookdale Community College values most, the individual learner. The College respects the differences in needs, strengths, and weaknesses in each person. We respect the right of each individual to strive, to struggle to succeed - the right to be unique.

We further value the experience of learning and count it among the most satisfying of human activities. We believe all education is a life-long activity, which enhances every aspect of human existence. We see that developing career skills and developing individual human potential are equally valuable. Each makes its contribution to the fullness of life.

We recognize the interrelatedness of all learning and the benefit gained by freedom of thought and expression. Effective education promotes awareness of the intricate relationships, which exist among people and between individuals and their environment. The development of individual potential is inevitably related to what society permits, encourages, or maintains.

Therefore, we urge students to accept their responsibility for improving society. Brookdale Community College commits itself to the task of creating an atmosphere, which fosters individual and societal growth and achievement.

The College is dedicated to using the community as a laboratory for learning. College staff and administration work closely with local organizations and agencies when applicable.

General Brookdale Information

Important Note

The statements, provisions, policies and fees listed in this catalog are not to be regarded as binding between the student and Brookdale Community College. The College has the right to change at any time any of the provisions or programs, which could include the possible elimination of programs, courses, schedules, tuition, fees procedures or statements, as may be warranted. Each student is responsible for knowing the information contained in this catalog. Failure to read and comply with College guidelines, requirements and regulations will not exempt the student from responsibility.

About Brookdale

The College was founded in 1967 and is sponsored by the citizens of Monmouth County through the Board of Chosen Freeholders. Equal opportunity for all is a College mandate; the College does not discriminate against anyone on any basis, either in education or in employment practices. An appointed Board of Trustees sets policy, fixes tuition and fees and continually monitors educational programs.

Brookdale is an open admission college, available to anyone 18 years of age or older, has been home-schooled and can document age-appropriate learning skills, anyone who is a high school graduate or holder of an equivalency diploma. (A limited number of programs have specific admission criteria which must be met.) If a student does not have a high school diploma, he or she may still enroll at Brookdale as long as the student is 18 or older. Students wishing to gain a New Jersey issued high school diploma will be referred to Brookdale's 30-credit high school equivalency program or may take and successfully pass a GED test. An adult basic education program is offered at any of the Brookdale regional locations in Freehold, Wall, Long Branch, and Neptune. To obtain more information on the Brookdale sites, see [Regional Locations](#).

Brookdale is open all year and operates on a term-based system. There are two traditional 15-week terms that begin in September and January. Within each of the traditional terms we offer two 7-week terms and an 11-week term. In addition, there are 6-week and 10-week terms that run during the summer and a 2-week Winterim term is offered during winter break. Additional terms may be added based on community need. Classes tend to meet once or twice a week, depending on the length of the academic term and the course content. Classes are scheduled throughout the day, evening, online and on weekends to meet the demands of working people as well as traditional full-time students. Courses are offered not only on the Lincroft campus, but also at various regional locations throughout the county. The regional locations offer a wide range of courses. They all are accessible from most areas by public transportation.

There is no typical Brookdale student. People of all ages come to the College to meet educational goals as varied as the people themselves. Many are enrolled full time (12 credits or more), or part time, in programs designed for transfer to four-year colleges. Others are pursuing programs designed to prepare them for employment upon graduation. Persons already working attend Brookdale to upgrade skills and enhance chances for promotion or to explore new areas to facilitate a career change. Many students are here because they love to learn and the courses they select enrich their personal lives.

In keeping with the College's dedication to open and innovative education, learning at Brookdale is oriented toward success. Each course syllabus has learning outcomes, course requirements, grading standards, course content, notification for students with disabilities and references to additional support and labs. Teaching faculty schedule office hours to answer student questions. [Academic support](#) services are available to students through the [Writing Center](#), [Reading Center](#), [Math Lab](#), [STEM Peer Tutoring](#) and the [Tutoring Center](#) at the Brookdale Bankier Library Learning Commons.

Notice of Right to Access Government Records of Brookdale Community College

The [New Jersey Public Access to Government Records Act N.J.S.A. 47:1A-1](#) (the "Act") requires that the College grant members of the public access to government records as defined in the Act. The Act safeguards from disclosure of proprietary and private records and information.

Requests for records should be made to Bonnie Passarella, Executive Associate Legal Services located on the second floor of the Brookdale Administrative Center (BAC), parking lot #3. Requesters must fill out a form specific to their request by contacting the Records custodian directly at 732-224-2239 or emailing the request to bpassarella@brookdalecc.edu. Requests for government records may be made anonymously. Upon payment of the applicable fees, the College is required to make government records available within the following time periods:

Immediate access will be provided to budgets, bills, vouchers, contracts, including collective negotiations agreements, individual employment contracts, and public employee salary and overtime information. Immediate access will be provided as soon as reasonably possible following receipt of the request if the record is not being used and is not in archive storage.

Not later than seven (7) business days after receiving the records request, access will be granted or denied to all other government records provided the record is currently available, not in use and not in storage or archived. Failure of the Custodian of Government Records to respond within seven business days after receiving a request is deemed a denial, unless the requester has elected not to provide a name, address or telephone number, or other means of contacting the requester, in which case the Custodian of Government Records shall not be required to respond until the requester appears before the Custodian seeking a response to the original request.

The requester is entitled to be advised in advance of the estimated amount of fees and charges to be imposed by the College for the reproduction costs and other special services requested.

Right of Appeal

A person who is denied access to government records by the Custodian, at the option of the requester, may institute a proceeding challenging the Custodian's decision by (1) filing a complaint with the [Government Records Council](#), NJ Division of Local Government Services (www.state.nj.us/grc) by calling 866-850-0511, toll free or by e-mail: grc@dca.state.nj.us, or (2) by filing an action in the Superior Court, Monmouth County Courthouse, Freehold, NJ.

The Higher Education Opportunity Act

The Higher Education Opportunity Act ([HEOA](#)) requires the College to disclose and report on numerous items. Many of these are included throughout this catalog. Information pertaining to [Student Consumer Information](#) is available from the Brookdale home page with a direct link to the State website.

Degrees And Certificates

The Associate in Arts (A.A.), Associate in Science (A.S.) and Associate in Fine Arts (A.F.A.) degree programs are designed for transfer to four-year colleges. These degrees give students grounding in their major fields of study, along with the general studies required of freshmen and sophomores in four-year schools. Students who graduate with an A.A. or A.S. Degree and transfer to a New Jersey Public Institution receive the benefits of transfer registration. See for the rules and requirements. The Associate in Applied Science (A.A.S.) degree programs are career-related. Students receive education and training in the skills needed for employment, plus the general studies are designed to turn out well-rounded employees. While some credits may transfer to four-year institutions, the A.A.S. programs are not designed for transfer. In some study areas, certificate programs are available. These contain fewer credits than the degree programs and certify students as competent in a particular employment areas.

Company On-site Credit Course Offerings (COCCO)

[Continuing and Professional Studies](#) works with employers who request college courses to be presented to their employees at their place of business. The courses are identical to those presented on campus and are taught by Brookdale faculty. Students receive full college credit for course completion. Instructional emphasis to include case studies can be customized to reflect corporate objectives and learning experiences with on-the-job tasks. Every effort is made to meet the needs of employers. Starting dates and class times are flexible.

College Life

The Office of [Student Life and Activities](#) oversees over 50 clubs and organizations geared to student interests. *The Current* (student newspaper) and *Collage* (student literary magazine) are two publications produced by the student body.

Students can become involved in planning and shaping programs and services at Brookdale through the Student Life Board (Brookdale's version of student government, programming board and finance board, all in one). Students may also serve as members of [College Governance](#). This is a body comprised of faculty, administrators, staff and students which discusses issues affecting College life and academic policies and regulations. Recommendations are forwarded to the President for consideration and recommendations.

Continuing and Professional Studies

At Brookdale Community College, "community" is at the core of our mission. Continually searching for innovative and creative ways to meet the constantly changing needs of Monmouth County residents, we help people savor life, build bridges, open doors, find hope and educate themselves for the future.

Looking for a career change or job training? Explore new possibilities! Brookdale's short-term career training programs include health care, green jobs and construction management, business/industry career training certificate programs, computer training and the alternate route to teacher certification. Continuing education programs in health care and teaching can help improve on-the-job performance and promotion potential.

The [Center for Career Development](#) serves the educational and training needs of individuals interested in entry-level employment, a career change or career advancement.

Learning is lifelong! Brookdale opens the door to unlimited new possibilities, from classroom presentations, to hands-on classes or our Tour & Talk trips, there is something for everyone to learn and enjoy. Visit the [Continuing and Professional Studies](#) website and select Lifelong Learning.

During the summer, Brookdale's [Camps-On-Campus](#) program offers summer camps for children and teen workshops.

For more information on any of the offerings, visit the Continuing and Professional Studies website or call 732-224-2315.

Accreditation

Brookdale, Monmouth County's official county college, is certified by the State of New Jersey and the United States Department of Education to grant associate degrees to students who complete formal programs of study, and is a member of the [Servicemembers Opportunity College Consortium](#). In addition, Brookdale programs have accreditation or recognition from specific organizations and agencies where applicable.

Brookdale Community College is accredited by the [Middle States Commission on Higher Education](#), 3624 Market Street, Philadelphia, PA, 19104 (267-284-5000). The Middle States Commission on Higher Education is an institutional accrediting agency recognized by the U.S. Secretary of Education and the Council for Higher Education. After its periodic evaluation of the College in March 2018, a follow-up visit was conducted in April 2019 with a final report on Brookdale's Accreditation Status issued in June 2019. All actions for Brookdale's Accreditation may be found on the on Middle State's webpage (www.msche.org). Brookdale adheres to the Principles of Good Practice in Institutional Advertising, Student Recruitment and Representation of Accredited Status as defined by the Council for Higher Education. A copy of the Principles is available in the office of the Vice President for Learning.

The Culinary Arts associate degree program is accredited by the [American Culinary Federation Education Foundation](#) 180 Center Place Way, St. Augustine, Florida 32095.

The Human Services associate degree program is accredited by the [Council for Standards in Human Service Education](#), 3337 Duke Street, Alexandria, VA 22314-5219 (571) 257-3959.

The Nursing program is accredited by the New Jersey Board of Nursing (NJBN), 124 Halsey Street, Sixth Floor, Newark, New Jersey 07101 (973) 504-6430 and by the [Accreditation Commission for Education in Nursing](#) (ACEN) 3343 Peachtree Road, NE, Suite 850, Atlanta, GA 30326 (404) 975-5000.

The Respiratory Therapy program is accredited by the [Commission on Accreditation for Respiratory Care](#), 264 Precision Blvd Telford, TN 37690 (817) 283-2835.

The Radiologic Technology program is accredited by the [Joint Review Committee on Education in Radiologic Technology](#), 20 North Wacker Drive, Suite 900, Chicago, Illinois 60606 (312) 704-5300 and the Radiologic Technology Board of Examiners, 25 Arctic Parkway, Trenton, NJ 08625 (609) 984-5890.

Concerns regarding any Health Science Program may be forwarded to the appropriate agency listed above.

The GM-ASEP option of the Automotive Technology program is certified by NATEF the [National Automotive Technicians Foundation](#).

Institution Wide Assessment

Information on institution wide assessment results such as graduation, retention, certification and licensing pass rates and student learning outcomes are available through the office of the Associate Vice President for Planning and Institutional Effectiveness.

Outcomes assessment principles and practices are in compliance with accreditation requirements as articulated by the Middle States Commission on Higher Education. The College's assessment guiding principles are:

- Faculty are the content experts.
- The responsibility for learning is shared by the faculty and the student.
- Assessment processes involve all faculty and responsibility is shared by all faculty teaching in the department/discipline.
- The College Student Learning Outcomes Plan makes wise use of faculty and staff time.
- Assessment is directly and inseparably linked to teaching and learning.
- Assessment focuses on learning outcomes that are clearly articulated and linked institutionally, programmatically and to courses.
- Results are used to improve student learning.
- Sufficient resources are devoted to meaningful assessment activities.
- Assessment results will be communicated to the campus community.
- Assessment of student learning is a means to faculty growth and development.

Information on Accreditation by the Middle States Commission on Higher Education and individual program accreditation is available on the [Accreditation](#) page of the Brookdale website.

Honors at Brookdale

Brookdale's Honors program provides an enriched academic experience to a select cohort of highly motivated students. Through a curriculum that emphasizes global awareness, cultural experiences, and local engagement, Brookdale Honors students are challenged to connect their studies to the world beyond the campus. By fostering collaborative learning and intellectual inquiry, Honors at Brookdale prepares students for transfer to competitive four-year colleges and universities, as well as for citizenship in our 21st century world. There are two options within the Honors program:

1. To graduate "With Honors" students must complete 18 credits of Honors coursework during their time at Brookdale, present a capstone project at the Honors Symposium, and graduate with a 3.5 G.P.A.
2. To earn an "Honors Certificate of Recognition," students must complete 9 credits of Honors coursework and graduate with a 3.5 G.P.A. Presentation at the Honors Symposium is highly recommended, but not required. The Certificate is a good option for students beginning their Honors studies in their second year.

Brookdale has transfer agreements which enable graduates of the Honors program to enter the third year of Honors programs at Monmouth University, Georgian Court University and Rider University. A transfer agreement with Rutgers Business School in New Brunswick enables Honors graduates who are business majors and have completed the required prerequisite, to transfer in as juniors.

For a complete description of Honors at Brookdale, including the application process and course offerings, refer to the [Honors](#) page on the Brookdale website.

Student Grievance Process

Students who have questions or concerns about any issue at Brookdale Community College are encouraged to resolve those issues through appropriate channels. Specific concerns related to faculty members or course content issues must first be discussed with the faculty member involved to try and reach an amicable solution. If unsatisfied, students must then meet with a department chairperson followed by the Institute Dean, if necessary.

Students appealing a grade in a course must follow a prescribed process. While the initial steps are informal, students have the right to file a formal appeal. The final step in this process is a hearing before a representative committee including faculty, staff and students. The paperwork for the Grade Appeal process is available online or by calling 732-224-2196.

Catalog may change throughout the year to better serve students.

Administration, Faculty and Boards

College Officers

David Stout, President; B.A., Richard Stockton College; M.A., Monmouth University; Ph.D., Northcentral University
Katherine E. Lynch, Provost and Vice President, Academic Affairs; B.A., Dartmouth College; M.A., PhD., University of Wisconsin at Madison
Teresa Manfreda, Vice President, Finance & Operations/Chief Financial Officer; B.S., Monmouth University; M.B.A., Southern New Hampshire University
Nancy Kaari, Vice President, Advancement; A.A., Ocean County College
Yesenia Madas, Vice President, Student Affairs; B.A., M.A., Mercy College; Ed.D., Rowan University

Cabinet

Dr. David Stout, President
Dr. Katherine E. Lynch, Provost and Vice President Academic Affairs
Dr. Joan A. Scocco, Chief Officer, Strategic Initiatives & Innovation; B.A., Pace University; M.A., Seton Hall University; D.M. University of Maryland-College Park
Teresa Manfreda, Vice President, Finance & Operations/Chief Financial Officer
Nancy Kaari, Vice President, Advancement
Dr. Yesenia Madas, Vice President, Student Affairs
Dr. Nancy Kegelman, Associate Vice President, Planning & Institutional Effectiveness
Dr. Anita Voogt, Associate Vice President, Strategic Partnerships
Patricia Sensi, Associate Vice President, Human Resources
Dr. William Burns, Associate Vice President, Educational Access & Innovation
Bonnie Passarella, Legal Affairs Officer
Edward Johnson, Executive Director, Governmental & Community Relations

Deans and Associate Vice Presidents

William Burns, Associate Vice President, Educational Access and Innovation; B.A., Marist College; M.A., New York University; D.Litt., Drew University
James Crowder, Institute Dean, STEM; B.S., Ursinus College; M.S., Rutgers University; Ed.D., Rowan University
Jayne Edman, Institute Dean, Health Sciences; B.S.N., Hunter College; M.S.N., University of Pennsylvania; Ed.D., Rowan University
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Susan Pagano, Interim Dean, Continuing & Professional Studies; B.A. & M.A. & Ed.D., Monmouth University
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Anita Voogt, Associate Vice President, Strategic Partnerships; B.A., Wagner College; M.A., West Virginia University; Ph.D., SUNY-Albany
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Kevin Nolan, Success Coach, EOF, One Stop Student Services Center; B.A., Rutgers University
Cara Novak, Associate Director, Early College High School and Educational Partnerships; B.A., Tulane University
Laura Oncea, Director, Communications; B.S., Southern New Hampshire University
Nilufer Onder, Supervisor, Event Management; A.A., Brookdale Community College

Christopher Otis, Manager, Fire, Safety & Environmental Compliance, Facilities
Ernest Oversen, Director, Disability Services; B.A., Virginia Military Institute; M.S., Chaminade University
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Erin Keely, Producer, National Geographic
Robin Kampf, Producer, RJK MEDIA
Justin Newman, Camera-Bravo
Joseph J. Valenti

Computer Science/Programming & Web Site Development

Chris Butler, Computer Science Adjunct, Brookdale Community College
Dan Celenti, Principal MTS, AT&T Labs
Christopher Deo, Senior Member of Technical Staff, AT&T / Middletown
Mary Fatima Menges, Commvault
George Olsen, Professor, NJ Institute of Technology
Eduardo Pinzon, Senior Technical Staff, AT&T
Thomas Rivas, Principal Technical Architect, AT&T
Meryl Smith, President, Clear Computing, Inc.
Paul Taubman II, President, Digital Maestro
John Tugman, Chief Information Officer, County of Morris
Kathleen Walsh, Lead Process Engineer, U.S. Army ARDEC
Thomas Walsh, Technical Advisor, Northrop Grumman Corporation
Dan McGowan, Release Manager, InvestEdge
Will McGowan, Software Engineer, RS Energy Group
Ed Torres, Computer Science Adjunct, Brookdale Community College

Criminal Justice

Darryl G. Breckenridge Sr., Director, Monmouth County Police Academy
George Buonano, New Jersey State Police (ret.), Adjunct
Donna Clark, Director of Support Services, Monmouth County Prosecutor's Office
Doug Collier, Monmouth University
John Comiskey, Assistant Professor, Monmouth University
Ralph Cretella, Esq.
David D'Amico, Chief Investigator, Internal Affairs, Middlesex County Department of Corrections & Youth Services

Ronald Facciponti, TSA, Adjunct
 Paul Fiore, Senior Investigator, NJ Dept. of Corrections, Adjunct
 Sean Golden, Sheriff, Monmouth County Prosecutor's Office
 Christopher Gramiccioni, Prosecutor, Monmouth County Prosecutor's Office
 William Hartung, Adjunct
 Lionel Henderson, Superintendent, NJ Training School, Juvenile Justice Commission
 Cleophus Hendrix, Assistant Superintendent, NJ Training School, Juvenile Justice Commission
 Stephen Jones, Lieutenant, NJ State Parole
 Chief Robert Kimler, Jr., Brookdale Community College Police Department
 Lori Linskey, First Assistant Prosecutor, Monmouth County Prosecutor's Office
 John McCabe, Chief of County Detectives, Monmouth County Prosecutor's Office
 Richard McCarthy, Federal Bureau of Investigations (ret.)
 Felix Mickins, Department Director, Juvenile Justice Commission
 Selma Y. Morris, Executive Assistant, Monmouth County Sheriff's Office
 Steve Padula, Captain, Monmouth County Prosecutor's Office
 John Pinto, Probation, Adjunct
 Erin Rubas, Adjunct
 Randy Schwartz, Manager, Behavioral Intervention, Parole
 Hoda Soliman Rue, Assistant Monmouth County Prosecutor, Adjunct
 Steve Tallard, Director of Parole
 Scott Trocchia, Tinton Falls Police Department
 Michael Woodrow, Chief, Union Beach Detective Bureau

Culinary Arts

John Anderson, Executive Chef, Sheraton Eatontown
 Andrew Araneo, Bayshore Bistro
 Valerie Aufiero, Front Street Trattoria
 Richard Bishop, Eagle Oaks Country Club
 Nicole Brent-Court, Local 54 Culinary Arts Apprentice Program
 Pam Cardinale, Langosta Lounge
 Justin DiBianca, Chef, Somerset Palace
 Jennifer Doyle, Six Flags Great Adventure
 Karen Farrell, Alumni
 John Goeke, Executive Chef, Eagle Ridge Golf Club
 Bobby Higgins, Windansea
 Paul Hulseheimer, Porta
 Mike Jaruza, Chef, Atlantic Bar & Grill
 John Lombardo, Branches
 Joseph Marinelli, Executive Chef, Seabrook Village
 Dan Palsi, Manasquan River Golf Club
 Yvonne Paradiso, Yvonne's Café
 Dianne Pszczola, Alumni
 Tom Riccardi, Sheraton Eatontown
 Renee Rovello-Cataldo, Alumni
 Marilyn Schlossbach, Langosta Lounge
 Oleg Scorpah, Chef/Alumni, Yvonne's Café
 Lauren Shaffer, Local 54 Culinary Arts Apprentice Program
 Chris Siclaro, Student
 Georgette Thomas, Care One
 Christopher Tierney, Sous Chef/Alumni
 Joe Tormey, FDU
 Joseph Tuzzio, Tuzzio's
 Lynn Weaver, Wegman's
 Chriss Zigga, Wegmans

Digital Animation & 3D Design

Darrell Allen, Video Graphics Editor Manager
 Karen Buemi, Game Designer
 David L. Halbstein, Computer Animation Instructor, Rochester Institute of Technology
 Moira Henry, Animator
 Kevin Kately, Digital Sculptor
 Merit Koehler, Animator
 Jared Krinsky, Interactive Multi-Media Artist/Educator
 Erin Margolis, Game Developer
 Lynne Oddo, Professor, Bloomfield College
 Lauren Rabinowitz, Media Designer, LTCG Media
 Ed Salsali, Professor, Georgian Court University
 Philip Sanders, Associate Professor, The College of New Jersey

Engineering-Electronics

Joseph Bongiorno, Graduate, Brookdale Community College
 Steven Branigan, Chief Security Officer, Cyanline, Inc.
 Dan Brateris, Director of Experiential Learning, New Jersey Institute of Technology
 Chris Butler, Vice President Regional CIO, Barnabas Health Care System
 Robert Ciervo, Assistant Dean, Rutgers School of Engineering
 Daniel Cooperman, Adjunct Professor, Brookdale Community College
 Timothy Coyle, Project Surveyor, Maser Consulting P.A.
 Mandy Galante, Instructor, Red Bank Regional High School
 Lorraine Hallock, President, Delaire USA
 Dr. Michael Halper, Director, New Jersey Institute of Technology
 Anthony Jackson, Associate Director/Transfer Admissions, New Jersey Institute of Technology
 Joe Levantino, Adjunct Professor, Brookdale Community College
 Colin Mahns, Graduate, Brookdale Community College, CBS Networks
 Patricia Morreale, Professor and Director, Kean University
 Laura Ostal-Excel, Graduate, Brookdale Community College
 Russell Pepe, Vice President, Avanced Technical Marketing
 Robert Statica, Senior University Lecturer & CIP Director, New Jersey Institute of Technology
 Jonathan Squire, CISSP, Principal Information Security Architect
 Richard Vanderbilt, Advisor/ECET & MET Programs, New Jersey Institute of Technology

Fashion Merchandising & Marketing

Melissa Craig, East Coast Sales F4M Brands, Inc.
 Silva Goncalves, Owner, Silva's Tailoring
 Alexis Jankowski, Assistant Manager, Urban Outfitters
 Stephanie Levenson, Human Resources Manager, Nordstrom
 Carlo Maples, BCC Graduate and LIM student
 Marla Morris, Owner, Lola's Boutique
 Seth Tishler, Vice President Operations, HANRO USA

Graphic Design

James Black, Creative Director, MedForce
 Carolann DeMatos, Creative Director, Wonderpug Graphics
 Dawn Fekete, Graphic Designer, Lanmark Group, Inc.
 Robert Flanagan, Graphic Designer, Red Flannel Design Group
 Doug Godfrey, Printer, Omega Printing
 Aymann Ismail, Video Editor/Photographer, ANIMAL New York
 Larry McAllister II, Assistant Director of Marketing & Communications, Rutgers, The State University of New Jersey
 Pat Pfleger, Printer, Jersey Printing
 Mona Pollard, Graphic Designer, Pollard Design
 Mike Quon, Graphic Designer, Designation
 Margarite Schehean, Creative Director, Design 9
 Bill Wicklem, Creative Director, Paramax Productions, Inc.

Health Information Technology

Shaunna Ellison, Director, CentraState Medical Center
 Diane Farley, CCS, Supervisor, Health Information Service, HealthSouth Rehabilitation Hospital of Tinton Falls
 Kim Good, Director, HIM, Community Medical Center
 Giovanni Goodrich-Morton, Robert Wood University Hospital
 Lisa Guenther, Senior Practice Manager, Family Practice of CentraState
 Maggie Keating, HIM Director, Monmouth Medical Center
 Eileen Liberatore, Graduate
 Barbara Manger, FAHIMA Program Director, Rutgers: School of Health Related Professions
 Cynthia M. Marvulli, Director, Medical Informatics/Training & Education at RWJ Barnabas
 Maggie Patino, Graduate
 Stacey Pereira, Executive Director, CBIZ
 Donna Pizzuli, Executive Vice President, Cybergistis
 Carol Sabatini, HIM Manager, Riverview Medical Center
 Mary Siegert
 Celeste Thomas, Corporate Compliance at Ocean Medical Center
 Julia Vasilov, RWJ, New Brunswick

Human Services

Dennis J. Broschart, Volunteer Services Manager, Future House, Jersey Shore Medical Center
 Charles D. Brown, III, Mental Health Administrator, Monmouth County Department of Human Services, Division of Mental Health
 Camille Celantano, ARC of Monmouth
 Kathleen Celli, Director, School Based Youth Services, Long Branch High School
 Ellen Cohen, Administrator, Monmouth County Youth Services Commission
 Peggy Comfort, Administrator, Manna House
 Kim Corbitt, Assistant Executive Director, Mental Health Association of Monmouth County

Alison Glaser, MSW, Director of Education, Planned Parenthood
 Dottie Lopapa, Employment Specialist, CPC Behavioral Healthcare
 Jessica Mercer, Prevention First
 Marie H. Nelson, Training Supervisor, Monmouth County Board of Social Services
 Linda Porter, Director of Vocational Services, Work Opportunity Center
 Rosalind Seawright, Jersey Shore University Medical Center
 Denise Stevens, Director of Adult and Community Services, Prevention First

Interior Design

Jeff Cahill, Cahill Design
 Celeste Collins, Admissions, NY School for Interior Design
 Joanne DelSordi, Interior Designer, Cahill Design
 Joanne Eltringham, Interior Designer
 Suzan Globus, Owner, Globus Design Associates
 Dana Guzzo, Warsauer Electric
 Jana Manning, Interior Designer, Manning Design Group
 Linda O'Shea, Interior Designer, Kean University
 Steven Patrick, Interior Designer, The Pavese Group, PA
 Terry Ryan, NY School of Interior Design/Kean-Adjunct
 Erin Pollex, Architectural Representative, Shaw Carpet
 Erica Tufaro, Architect/Adjunct

Medical Imaging (Radiological Technology)

Deborah Bevacqua, Clinical Instructor, Bayshore Community Hospital
 Steven Buckley, Supervisor, Community Medical Center
 Kerrie Carey, Clinical Instructor, Ocean Medical Center
 Jillian Carroll, Clinical Instructor, Riverview Medical Center
 Lynn Corvasce, Senior Clinical Instructor, Radiology Department, CentraState Medical Center
 Melissa Cristoforo, Clinical Instructor, Kimball Medical Center
 Anthony Cursi, Clinical Instructor, Ocean Medical Center
 Ed Davis, Clinical Instructor, Riverview Medical Center
 Cathy Dillon, Tech Prep Instructor, Monmouth County Vocational School
 Christopher DiMotta, Manager, Radiology, Kimball Medical Center
 Janet Ferrera, Clinical Instructor, Bayshore Community Hospital
 Heather Flores, Clinical Instructor, Community Medical Center
 Alyson Franek, Clinical Instructor, Kimball Medical Center
 Kryzstof Galka, Clinical Instructor, Jersey Shore University Medical Center
 Bill Goodman, Director, Imaging Services, Community Medical Center
 Qwana Grant, Clinical Instructor, CentraState Medical Center
 Kathy Healy, Clinical Instructor, Jersey Shore University Medical Center
 Frank Hendrickson, Director, Radiology, Bayshore Community Hospital, & Riverview Medical Center
 Stacy Hernandez, Clinical Instructor, Jersey Shore University Medical Center
 Kathy Julian, Clinical Instructor, Community Medical Center
 Kasey Kaufman, Clinical Instructor, Monmouth Medical Center
 Josephine Loden, Clinical Instructor, Riverview Medical Center
 Pietrina McGowan, Supervisor Radiology, Jersey Shore University Medical Center
 Michael Messina, Director, Radiology, Jersey Shore University Medical Center
 Ed Miller, Clinical Instructor, Monmouth Medical Center
 Ellen Moschberger, Clinical Instructor, Riverview Medical Center
 Susan Murphy, Clinical Instructor, Bayshore Community Medical Center
 Joe Neiss, Clinical Instructor, Monmouth Medical Center
 Margaret Payton, Director Radiology, Ocean Medical Center
 Patrice Ruguso, Clinical Instructor, Community Medical Center
 Ethel Smalling, Clinical Instructor, Kimball Medical Center
 Kathy Smythe, Clinical Instructor, Jersey Shore University Medical Center
 Roberta Trautweiler, Clinical Instructor, Community Medical Center
 Samantha Weekes, Clinical Instructor, Jersey Shore University Medical Center
 Sam Wimmer, Clinical Instructor, Jersey Shore University Medical Center
 Mandy Worten, Director Radiology, CentraState Medical Center

Music Technology

James Biotnott, Presonus Music, EVP, Marketing & Product Service
 Dr. Jay Dorfman, Assistant Professor of Music Education, Boston University
 Jon Leidersdorff, Lakehouse Music
 Brian Meisner, Director of Technology Support, NOTION Music, Inc.
 Pat Noon, EightSixteen Music Studios
 Dr. Carlton Wilkinson, Consultant
 Kris Zook, RBR Faculty Music Technology Department

Networking & Cyber Security

Steven Branigan, Cyanline Inc.
Mandy Galante, Instructor, Red Bank Regional High School
Dr. Michael Halper, NJIT
Colin Mahns, NJIT Student
Dr. George Olsen, Professor, NJIT
Michael Schmidt, Atlantic Coast Communications
Jerry Sforza, C.O.O., President, General Manager, Encode, Inc.
Ed Skoudis, President & Founder, CounterHack Challenges
Dr. Robert Statica, NJIT
John Stuppi, Technical Leader, CISCO

Nursing

Virginia Adair, Educator, Bayshore Community Hospital
Nancy Amontis, Director of Nursing, Geraldine L. Thompson Care Center
Ellen Angelo, Senior Nurse Manager, Ocean Medical Center
Molly Berkowitz, RN
Marie Chisvette, Jersey Shore University Medical Center
Fiesta Clanton, Director of Education, CentraState Medical Center
Loir Colinari, Acting CNO, Riverview Medical Center
Lisa Dait, Tech Prep Instructor, Monmouth County Vocational School
Jackie Decker, Director of Nursing, Meridian Sub-acute Rehabilitation at Wall
Susan Dowd
Kimberly Dudas, Assistant Professor/Program Coordinator, New Jersey City University
Dr. Maureen Esteves, Associate Dean, College of Nursing, Rutgers, The State University of New Jersey
Regina Foley, Chief Nurse Executive, Ocean Medical Center
Avery Gardner, RN
Lesley Geddis, Staff Development, Geraldine L. Thompson Care Center
Ann M. Healy, Nurse Manager VNA of Central Jersey and Affiliates
Diann Johnston, Vice President of Patient Care Services, Monmouth Medical Center
Paula Kluszczy, Director of Education and Quality Assurance, Care One at Holmdel
Robert Lisi, Tech Prep Instructor, Monmouth County Vocational School
Dr. Janet Mahoney, Dean, School of Nursing, Monmouth University
Patty McLaughlin, Nurse Educator, Monmouth Medical Center
Vanessa Munson, Director, Monmouth County Vocational School District
Peggy Pauling, Director of Nursing, Care One King James
Pat Renna, Riverview Medical Center
Lester Rozycki, RN
Patricia Rusca, VNA of Central Jersey and Affiliates
Diane Sanders, Director of Education and Quality Assurance, Bayshore Health Care & Rehabilitation Center
Maureen Schmidt, Riverview Medical Center
Susan M. Skola, Assistant Vice President Patient Care Services, Monmouth Medical Center
Dr. Sharon Stark, Associate Dean, College of Nursing, Monmouth University
Nikki Steidle, Director of Nursing, Meridian Nursing & Rehabilitation at Shrewsbury
Mary Ellen Strozak, Riverview Medical Center
Dr. Janet Urbanowitz, Director Clinical Education, Monmouth Medical Center
Isabel Vasquez-Cavalla, Director of Nursing, Victoria Health Center
Joseph Walsh, Rutgers, The State University of New Jersey in Freehold
Linda Walsh, Chief Nurse Executive, Bayshore Community Hospital
Jo Ann Watson, Nurse Manager, Jersey Shore University Medical Center
Erin Wood, Director of Staff Development, Meridian Sub-acute Rehabilitation at Wall
Dr. Joyce Wright, Director of RN to BSN Program, New Jersey City University
Dr. Teri Wurmser, Director, Ann May Center for Professional Nursing Practice, Jersey Shore University Medical Center

Paralegal Studies

Karen L. Apy, Legal Nurse Consultant
Jackeline Biddle Shuler, Esq., Attorney at Law
Rosanna Harrell, Monmouth County Court House
Hon. Paul Kapalko, Civil Court Judge, Monmouth County Court House
Susan Kennel, The Plastic Surgery Center
Hon. Lawrence Lawson, McElroy, Deutsch, Mulvaney & Carpenter, LLP
Elaine Leschot, Esq., Monmouth County Prosecutor's Office
Donna Lomurro, Lomurro Law
Michael E. McMahon, Esq., Corporate Litigation, Miller & Gaudio, P.C.
Maureen Messina, Messina Law Firm, P.C.
Stephanie Miller, Lomurro, Munson, Comer, Brown and Schottland
Kerry J. Morgan, Esq., Davison, Eastman, Munoz Lederman & Paone, P.A.
Hon. Norman J. Peer, Lomurro Law

Joseph Petillo

Rebecca Reedy, South Jersey Paralegal Association

Dorothy Secol, CLA, Independent Paralegal

Tracey A. Settipane, Executive Director, Monmouth Bar Association

Hon. Andrew M. Smith, Jr., Worker's Compensation/Retired

Connie Whitman, Sales & Training Development, Whitman & Associates LLC

Kevin Wigenton, Esq., Wigenton Law Firm

Respiratory Care

Laurie Bennett, Assistant Director, Respiratory Care, Neuro-Diag. Sleep Center, Community Medical Center

James Bonis, Supervisor, Respiratory Care, Robert Wood Johnson University Hospital

Denise Camaraza, RRT, Pulmonary Function Department, CentraState Medical Center

Dr. Salvatore A. Croce, Association Medical Director, Monmouth/Ocean Pulmonary Medicine

Dr. John De Tullio, Medical Director Respiratory Therapy, Monmouth/Ocean Pulmonary Medicine

Doreen Diaz, Respiratory Care Manager, Bayshore Community Hospital

Sandra Gordon, Community Member

Phyllis Gowa, Supervisor-Long Term Vent Unit, Bayshore Community Hospital

Denise Graziosi, RRT, Monmouth/Ocean Pulmonary Medicine

Joshua Havard, RRT, Manager, Respiratory Care, Riverview Medical Center

John Hill, Technical Director, Respiratory Supervisor, Deborah Heart & Lung Center

Ed Johnson, Director, Long Branch Education Center

Ellen Kantor, RRT, Riverview Medical Center

William Nemeth, Administrative Director of Respiratory Care Services, JFK Medical Center

David Orloff, Manager, Respiratory Care, Jersey Shore University Medical Center

Paul Popovitch, Manager, Respiratory Care, Medical Center of Ocean County-Brick

Lisa Porth, Director of Respiratory Services, Monmouth Medical Center

Theresa Price, Respiratory Care, Monmouth Medical Center

Margaret Ramsden, Community Member

Brian Somers, RRT, Director, Respiratory Care, Neuro-Diag. Sleep Center, Community Medical Center

John Whalen, Director of Respiratory Care, CentraState Medical Center

Mark Wiko, Clinical Coordinator, Respiratory Care, CentraState Medical Center

Instructional Assistant

Jacqui Andl-Onifer, Master Teacher, Asbury Park Public Schools

Neil Begley, Principal, St. Leo the Great School

Michael Bradbury, Director, Montessori Academy

Dr. Bernard Bragen, Superintendent, Hazlet Township Schools

Dr. Tami Crader, Chief School Administrator, Neptune Township Public Schools

Susan deBrigard, Director, Tower Hill School

Cheryl Dyer, Superintendent, Wall Township Public Schools

Dana Giblin, Supervisor, Harbor School

Dr. Anne Guteski, Principal, Harbor School

Joseph Jerabe, Principal, Port Monmouth Rd Primary School

Amanda Lewert, Chief School Administrator, Union Beach Schools

Linda Littenberg, Director, A Child's Place School

Dr. Timothy McCorkell, Superintendent, Monmouth County Vocational School District

Mary Jo McKinley, Director, Academy Charter High School

Rose Mary Mintz, YMCA

Kim Perrelli, Director, ChildCare Resources of Monmouth County

Principal, or Current Director, Ladacin Network Schroth School

Dr. Lamont Repollet, Superintendent, Asbury Park Schools

Representative, Monmouth County Head Start

Representative, Office of Executive Superintendent, Monmouth County Office of the Department of Education

Dr. Jared Ramage, Superintendent, Red Bank Borough Public Schools

Dr. Michael Salvatore, Superintendent, Long Branch Public Schools

Pablo Jose Samuel, Principal Collier High School

Dr. Rocco Tomazic, Chief School Administrator, Freehold Borough Public Schools

Mr. Eugene and Deborah Trotta, Smart Start School

Dr. Stephen Wisniewski, Superintendent, Bradley Beach Elementary Schools

Nancy Ziobro, Supervisor for Early Childhood, Asbury Park School District Bradley Elementary School

Institutional Learning Outcomes

Institutional Learning Outcomes are the skills and abilities all degree-seeking students are expected to acquire upon degree completion. They represent the general education model as articulated by the Middle States Commission on Higher Education (MSCHE) and the New Jersey State Community College (NJCC) General Education requirements. Students will acquire these learning outcomes as appropriate for their degree type. Specialized degree program requirements (A.S. and A.A.S. degrees) will be comparable, though not necessarily identical to the institutional learning outcomes.

Middle States General Education Requirements	NJCC General Education Goal Categories	Brookdale Community College Institutional Learning Outcomes
Critical Analysis and Reasoning	Critical Thinking is embedded in Goal Categories	Critical Thinking is embedded.
Written and Oral Communication	1 Written and Oral Communication (Communication)	Students will communicate effectively in both speech and writing.
Scientific and Quantitative Reasoning	2 Quantitative Knowledge and Skills (Mathematics)	Students will use appropriate mathematical and statistical concepts and operations to interpret data and to solve problems.
	3 Scientific Knowledge and Reasoning (Science)	Students will use the scientific method of inquiry, through the acquisition of scientific knowledge.
Technological Competency	4 Technological Competency (Technology)	Students will use computer systems or other appropriate forms of technology to achieve educational and personal goals.
Values, Ethics, and Diverse Perspectives	5 Society and Human Behavior (Social Science)	Students will use social science theories and concepts to analyze human behavior and social and political institutions and to act as responsible citizens.
	6 Humanistic Perspective (Humanities)	Students will analyze works in the fields of art, music, or theater; literature; and philosophy and/or religious studies; and will gain competence in the use of a foreign language.
	7 Historical Perspective (History)	Students will understand historical events and movements in World, Western, non-Western or American societies and assess their subsequent significance.
	8 Global and Cultural Awareness (Diversity courses)	Students will understand the importance of a global perspective and culturally diverse peoples.
	Ethical Reasoning and Action (Integrated Course Goal)	Students will understand ethical issues and situations.
Information Literacy	Information Literacy (Integrated Course Goal)	Students will address an information need by locating, evaluating and effectively using information.

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Prior Catalogs

Archived Catalogs:

[2024-25 Catalog \(pdf\)](#)

[2023-24 Catalog \(pdf\)](#)

[2022-23 Catalog \(pdf\)](#)

[2021-22 Catalog \(pdf\)](#)

[2020-21 Catalog \(pdf\)](#)

[2019-20 Catalog \(pdf\)](#)

[2018-19 Catalog \(pdf\)](#)

[2017-18 Catalog \(pdf\)](#)

[2016-17 Catalog \(pdf\)](#)

[2015-16 Catalog \(pdf\)](#)

[2014-15 Catalog \(pdf\)](#)

[2013-14 Catalog \(pdf\)](#)

[2012-13 Catalog \(pdf\)](#)

[2011-12 Catalog \(pdf\)](#)

All Programs

ARCHT - Architecture Program, A.S.

General

Program Title

Architecture Program, A.S.

Program Code

ARCHT

Program Description

This degree program is for students wishing to transfer to Bachelor of Architecture schools at accredited colleges or universities. The program provides the equivalent number and type of courses generally required in the first two years of study within a five-year curriculum. Completion of a five-year curriculum is a requirement for licensing as a professional architect. An architectural education embodies the study of both art and engineering disciplines. The program's goal is to develop creative and analytical skills in both of these areas.

Graduates of this program will be able to:

- Analyze how the history of architecture influences current design.
- Discuss what non-design factors influence building design.
- Explain the technical requirements of building and construction.
- Demonstrate the ability to organize a building program into building space from functional and aesthetic perspectives.
- Develop three-dimensional utilization abilities through abstract design exercises.
- Demonstrate architectural presentation techniques in both manual and digital formats.

Requirements

Requirements

General Education: 30 Credits

As described in the [General Education](#) section of the catalog and as identified below. (Students should consult their Counselor and the Architecture faculty prior to the selection of these courses.)

- Communications Credits: 6
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) Credits: 3
 - Recommended
 - [ARTH107 Art:Renaissance/Contemporary](#) - History of Art: Renaissance Through Contemporary Credits: 3
- [Mathematics/Sciences/Technological Competency](#) Credits: 9 (minimum) * (Lab Science required)
 - Recommended
 - [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4
 - [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
 - [PHYS111 General Physics I Non-Calculus](#) - General Physics (Non-Calculus) **or** [PHYS121 General Physics I](#) Credits: 4
 - [PHYS112 General Physics II Non-Calc](#) - General Physics II (Non-Calculus) **or** [PHYS122 General Physics II](#) Credits: 4

- [Social Sciences](#) Credits: 3
- [Humanities](#) or [Social Sciences](#) Credits: 3
- Any [General Education](#) Credits: 6
 - Recommended
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

General Education Notes

*Student should consult their Advisor and transfer institution requirements to select courses.

Career Studies: 38 Credits as Follows:

- [ARCH121 People and Their Environment](#) - People and Their Environment Credits: 3
- [ARCH131 Introduction to Design I](#)- Introduction to Design I Credits: 5
- [ARCH132 Intro to Design II](#) - Introduction to Design II Credits: 5
- [ARCH151 Architectural Construction I](#) - Architectural Construction I Credits: 3
- [ARCH152 Architectural Construction II](#) - Architectural Construction II Credits: 3
- [ARCH245 History of Architecture/Gothic](#) - History of Architecture: Pre-Historic to Gothic Credits: 3
- [ARCH246 Hist. of Arch Renais. - 19th](#) - History of Architecture: Renaissance Through the 19th Century Credits: 3
- [ARCH247 Industrial Revolution-Modernis](#) - History of Architecture: Industrial Revolution to Modernism Credits: 3
- [ARCH261 Architectural Studio I](#) - Architectural Studio I Credits: 5
- [ARCH262 Architectural Studio II](#) - Architectural Studio II Credits: 5 (t)

Suggested Electives (beyond degree requirements):

- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [MATH172 Calculus II](#) - Calculus II Credits: 4
- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [DIGM116 Prod & Storyboardng: Photoshop](#) - Production & Storyboarding: Photoshop Credits: 3

Total Credits Required For Degree: 68

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ARCH121 People and Their Environment](#) - People and Their Environment Credits: 3
- [ARCH131 Introduction to Design I](#)- Introduction to Design I Credits: 5
- [ARCH151 Architectural Construction I](#) - Architectural Construction I Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3

- MATH152 College Algebra & Trigonometry - College Algebra & Trigonometry Credits: 4 *

Total Credits: 18

Semester 2: Spring Term

- ARCH132 Intro to Design II - Introduction to Design II Credits: 5
- ARCH152 Architectural Construction II - Architectural Construction II Credits: 3
- ARCH245 History of Architecture/Gothic - History of Architecture: Pre-Historic to Gothic Credits: 3
- ENGL122 Engl Comp: Writing & Research - English Composition: Writing and Research Credits: 3
- MATH153 Pre-Calculus Mathematics - Pre-Calculus Mathematics Credits: 4

Total Credits: 18

Semester 3: Fall Term

- ARCH246 Hist. of Arch Renais. - 19th - History of Architecture: Renaissance Through the 19th Century Credits: 3
- ARCH261 Architectural Studio I - Architectural Studio I Credits: 5
- SPCH115 Public Speaking - Public Speaking or Social Sciences Credits: 3
- Physics Credits: 4

Total Credits: 15

Semester 4: Spring Term

- ARCH247 Industrial Revolution-Modernis - History of Architecture: Industrial Revolution to Modernism Credits: 3
- ARCH262 Architectural Studio II - Architectural Studio II Credits: 5
- Physics Credits: 4
- Social Sciences or Humanities Credits: 3 (1)
- ARTH107 Art:Renaissance/Contemporary - History of Art: Renaissance Through Contemporary Credits: 3

Total Credits: 18

Sequence Notes:

*MATH151 may be required if prerequisites for MATH152 are not satisfied.

(1) One course is recommended from the Cultural and Global Awareness knowledge area.

Name	Outcome
ARCHT - PLO 3	Explain the technical requirements of building and construction.

Name	Outcome
ARCHT - PLO 4	Demonstrate the ability to organize a building program into building space from functional and aesthetic perspectives.

Name	Outcome
ARCHT - PLO 5	Develop three-dimensional utilization abilities through abstract design exercises.

Name	Outcome
ARCHT - PLO 6	Demonstrate architectural presentation techniques in both manual and digital formats.

Program Learning Outcomes

Name	Outcome
ARCHT - PLO 1	Analyze how the history of architecture influences current design.

Name	Outcome
ARCHT - PLO 2	Discuss what non-design factors influence building design.

ART - Fine Arts Program, Studio Art Option, A.F.A.

General

Program Title

Fine Arts Program, Studio Art Option, A.F.A.

Program Code

ART

Program Description

The Associate of Fine Arts Degree in Studio Art provides a well-rounded education with the adequate range of liberal studies required by four-year Bachelor of Fine Arts programs. The Studio Art Option is designed for students seeking to transfer to a four-year college or professional art school. This option provides the courses necessary at the Associate degree level to transfer to a Bachelor of Fine Arts in Studio Art or Visual Art with a concentration in Drawing, Painting, Ceramics, Jewelry, or Sculpture. Because certain requirements may vary in some B.F.A. programs, students should identify transfer schools as early as possible, and work closely with counselors to insure selecting appropriate courses for smooth transfer.

Graduates of this program will be able to:

- Demonstrate a proficiency in basic design elements
- Discuss the history of the visual arts
- Demonstrate a proficiency in the use of basic crafts and visual arts

Requirements

Requirements

General Education: 20 Credits *

*Students can attain 20 credits by taking two 4-credit courses and four 3-credit courses

As described in the [General Education](#) section of the catalog and identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research [or](#) [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 *
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- [General Education](#) Credits: 7-8

General Education Notes:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 19 Credits as Follows:

- [ARTH106 Art History: Ancient/Medieval](#) - History of Art: Ancient Through Medieval Credits: 3
- [ARTH107 Art:Renaissance/Contemporary](#) - History of Art: Renaissance Through Contemporary Credits: 3
- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [ARTS121 2-D Design](#) - 2-D Design Credits: 3
- [ARTS122 Color Theory](#) - Color Theory Credits: 3
- [ARTS123 3-D Design](#) - 3-D Design Credits: 3 **

- [ARTS295 Special Project - Art](#) - Special Project- Art Credits: 1-6 (minimum 1 credit) (1)

Career Studies: 21 Credits From Among the Following:

- [ARTC141 Digital Paint I](#) - Digital Paint I Credits: 3
- [ARTC142 Digital Paint II](#) - Digital Paint II Credits: 3
- [ARTS112 Drawing II](#) - Drawing II Credits: 3
- [ARTS151 Ceramics I](#) - Ceramics I Credits: 3
- [ARTS152 Ceramics II](#) - Ceramics II Credits: 3
- [ARTS156 Sculpture I](#) - Sculpture I Credits: 3 *
- [ARTS161 Jewelry I](#) - Jewelry I Credits: 3
- [ARTS162 Jewelry II](#) - Jewelry II Credits: 3
- [ARTS213 Figure Drawing](#) - Figure Drawing Credits: 3
- [ARTS214 Figure Drawing II](#) - Figure Drawing II Credits: 3
- [ARTS231 Painting I](#) - Painting I Credits: 3
- [ARTS232 Painting II](#) - Painting II Credits: 3
- [ARTS235 Watercolor](#) - Watercolor Credits: 3 ***
- [ARTS295 Special Project - Art](#) - Special Project - Art Credits: 1-6
- [ARTS299 Art Internship](#) - Art Internship Credits: 1-3
- [PHTY111 Photography I -Film & Darkroom](#) - Photography I: Film and Darkroom Credits: 3

Total Credits for Degree: 60

Notes:

(1) Minimum one credit special project to be used for portfolio development.

*Offered Fall Term only

**Offered Spring Term only

***Offered Summer Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [ARTS121 2-D Design](#) - 2-D Design Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Social Sciences](#) Credits: 3
- [General Education](#) Credits: 4

Total Credits: 16

Semester 2: Spring Term

- [ARTH106 Art History: Ancient/Medieval](#) - History of Art: Ancient Through Medieval Credits: 3
- [ARTS122 Color Theory](#) - Color Theory Credits: 3
- [ARTS123 3-D Design](#) - 3-D Design Credits: 3

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 4

Total Credits: 16

Semester 3: Fall Term

- [ARTH107 Art:Renaissance/Contemporary](#) - History of Art: Renaissance Through Contemporary Credits: 3
- [ARTS295 Special Project - Art](#) - Special Project - Art Credits: 1-6 (1 credit required)
- Career Studies Credits: 9
- [Humanities](#) Credits: 3 (1)

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 12

Total Credits: 12

Sequence Note:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name	Outcome
ART - PLO 1	Demonstrate a proficiency in basic design elements.
Name	Outcome
ART - PLO 2	Discuss the history of the visual arts.
Name	Outcome
ART - PLO 3	Demonstrate a proficiency in the use of basic crafts and visual arts.

AUENG - Auto Tech Prog, Auto Engineering Tech Option, A.A.S.

General

Program Title

Auto Tech Prog, Auto Engineering Tech Option, A.A.S.

Program Code

AUENG

Program Description

The thrust of this option is toward employment in engineering laboratories and service industries. This option places greater emphasis on the scientific and mathematical concepts of the automobile design. Job titles include lab technician and automotive engineering assistant. As an A.A.S. degree, this option is not designed for transfer into a four-year institution, although many courses may prove to be transferable.

Graduates of this program will be able to:

- Demonstrate proficiency in the diagnosis of an automobile malfunction.
- Demonstrate competency in the repair and service of an automobile.
- Demonstrate proficiency in the repair of advanced automotive electronic and computer systems.
- Solve automotive engineering problems utilizing mathematical skills.

Requirements

Requirements

General Education: 21 Credits

As described in the [General Education](#) section of the catalog. The following courses are required:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research or [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) or [Social Sciences](#) Credits: 3 *
- [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4
- Other [General Education](#) Credits: 8
 - Recommended:
 - [PHYS111 General Physics I Non-Calculus](#) - General Physics I (Non-Calculus) Credits: 4
 - [PHYS122 General Physics II](#) - General Physics II (Non-Calculus) Credits: 4

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 39 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete the program

- [AUTO101 Automotive Fundamentals](#) - Automotive Fundamentals Credits: 4
- [AUTO111 Automotive Drivelines & Trans.](#) - Automotive Drivelines and Transmissions Credits: 4
- [AUTO123 Engine Performance I](#) - Engine Performance I Credits: 4

- [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4
- [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4
- [AUTO141 Auto Electricity/Electronics I](#) - Automotive Electricity/Electronics I Credits: 4
- [AUTO222 Engine Performance II](#) - Engine Performance II Credits: 4
- [AUTO226 Automotive Engines I](#) - Automotive Engines I Credits: 4
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4
- [AUTO241 Auto Electricity/Elec II](#) - Automotive Electricity/Electronics II Credits: 3**

Career Studies Notes:

**AUTO241 to be taken in last semester of program

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [AUTO101 Automotive Fundamentals](#) - Automotive Fundamentals Credits: 4
- [AUTO141 Auto Electricity/Electronics I](#) - Automotive Electricity/Electronics Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- One of the following:
 - [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4

OR

 - [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4

Total Credits: 15

Semester 2: Spring Term

- [AUTO111 Automotive Drivelines & Trans.](#) - Automotive Drivelines and Transmissions Credits: 4
- [AUTO123 Engine Performance I](#) - Engine Performance I Credits: 4
- [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4
- One of the following:
 - [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4

OR

 - [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4

Total Credits: 16

Semester 3: Fall Term

- [AUTO222 Engine Performance II](#) - Engine Performance II Credits: 4
- [AUTO226 Automotive Engines I](#) - Automotive Engines I Credits: 4
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4
- [PHYS111 General Physics I Non-Calculus](#) - General Physics I (Non-Calculus) Credits: 4

Total Credits:16

Semester 4: Spring Term

- [AUTO241 Auto Electricity/Elec II](#) - Automotive Electricity/Electronics II Credits: 3
- [PHYS112 General Physics II Non-Calc](#) - General Physics II (Non-Calculus) Credits: 4
- [Humanities](#) or [Social Sciences](#) Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research or [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Total Credits: 13

Program Learning Outcomes

Name AUENG - PLO 1	Outcome Demonstrate proficiency in the diagnosis of an automobile malfunction.
Name AUENG - PLO 2	Outcome Demonstrate competency in the repair and service of an automobile.
Name AUENG - PLO 3	Outcome Demonstrate proficiency in the repair of advanced automotive electronic and computer systems.
Name AUENG - PLO 4	Outcome Solve automotive engineering problems utilizing mathematical skills.

AUGMA - Automotive Tech Program, GMASEP, A.A.S.

General

Program Title
Automotive Tech Program, GMASEP, A.A.S.

Program Code
AUGMA

Program Description
The GM-ASEP is a special program developed by Brookdale's Automotive Department in conjunction with General Motors Corporation to upgrade the competency and professional level of the incoming dealership technician. The two-year program will require the student to attend classes at Brookdale for a portion of each semester, and then work in a GM dealership for the remaining portion of the semester. This is a rigorous training program which requires certain testing and prerequisites prior to acceptance. For further information, please contact the Automotive Technology Department, ASEP Coordinator. The GM-ASEP program is certified by the National Automotive Technicians Education Foundation (NATEF).

- Graduates of this program will be able to:**
- Demonstrate proficiency in the diagnosis of a General Motors automobile malfunction.
 - Demonstrate competency in the repair and service of the General Motors product.
 - Communicate effectively with customers and members of the automotive team.
 - Demonstrate professional accountability.

Simple Requisites

Requirements
General Education: 20 Credits Type Completion Requirement
Communications: 6 credits Earn at least 6 credits from the following: • ENGL121 - English Composition: The Writing Process • ENGL122 - English Composition: Writing and Research OR SPCH115 - Public Speaking
Humanities/Social Science: 3 credits Earn at least 3 credits from the following: • <u>Humanities (HU)</u> OR <u>Social Sciences (SS)</u>
Mathematics/Sciences/Technological Competency: 3-4 credits Earn at least 3 credits from the following: • <u>Mathematics (M)</u> OR <u>Sciences (SC)</u> OR <u>Technological Competency (IT)</u>
Any General Education: 7-8 Credits Earn at least 7 credits from the following: • <u>Communications (C)</u> OR <u>Humanities (HU)</u> OR <u>Social Sciences (SS)</u> OR <u>Mathematics (M)</u> OR <u>Sciences (SC)</u>

- OR** Technological Competency (IT)
- OR** Information Literacy (IL)
- OR** History (HI)
- OR** Cultural and Global Awareness (CG)
- OR** Ethnical Reasoning and Action (E)

Additional Comments:
General Education: 20 Credits*

*Students can achieve 20 credits by taking two 4-credit and four 3-credit courses.

General Education Note:

**One course is recommended from the Cultural and Global Awareness knowledge area.

Career Studies: 48 Credits

Type
Completion Requirement

Career Studies: 48 Credits
Earn a minimum grade of "C" in the following: • AUTO101 - Automotive Fundamentals • AUTO111 - Automotive Drivelines and Transmissions • AUTO123 - Engine Performance I • AUTO131 - Automotive Steering, Suspension and Alignment • AUTO132 - Automotive Brake Systems • AUTO141 - Automotive Electricity/Electronics I • AUTO213 - Automatic and Manual Transmission Overhaul • AUTO222 - Engine Performance II • AUTO226 - Automotive Engines I • AUTO244 - Automotie Electricity/Electronics II and Air Conditioning • AUTO299 - Automotive Internship

Requirements

Requirements

General Education: 20 Credits*

*Students can achieve 20 credits by taking two 4-credit and four 3-credit courses.

- As described in the General Education section of the catalog and as indicated below:
- ENGL121 English Comp: Writing Process - English Composition: The Writing Process Credits: 3
 - ENGL122 Engl Comp: Writing & Research - English Composition: Writing and Research **or** SPCH115 Public Speaking - Public Speaking Credits: 3
 - Humanities or Social Sciences Credits: 3 **
 - Mathematics/Sciences/Technological Competency Credits: 3-4
 - Any General Education Credits: 7-8

General Education Note:

**One course is recommended from the Cultural and Global Awareness knowledge area.

Career Studies: 48 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete the program.

- [AUTO101 Automotive Fundamentals](#) - Automotive Fundamentals Credits: 4 /GM
- [AUTO111 Automotive Drivelines & Trans.](#) - Automotive Drivelines and Transmissions Credits: 4 /GM
- [AUTO123 Engine Performance I](#) - Engine Performance I Credits: 4 /GM
- [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4 /GM
- [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4 /GM
- [AUTO141 Auto Electricity/Electronics I](#) - Automotive Electricity/ Electronics I Credits: 4 /GM
- [AUTO213 Auto & Manual Trans Overhaul](#) - Automatic and Manual Transmission Overhaul Credits: 4 /GM
- [AUTO222 Engine Performance II](#) - Engine Performance II Credits: 4 /GM
- [AUTO226 Automotive Engines I](#) - Automotive Engines I Credits: 4 /GM
- [AUTO244 Auto Elect II & Air Condition](#) - Automotive Electricity/ Electronics II & Air Conditioning Credits: 4 /GM
- [AUTO299 Automotive Internship](#) - Automotive Internship Credits: 1-6 (8 credits required) /GM

Total Credits Required for Degree: 68

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [AUTO101 Automotive Fundamentals](#) - Automotive Fundamentals Credits: 4
- [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4
- [AUTO141 Auto Electricity/Electronics I](#) - Automotive Electricity/ Electronics I Credits: 4
- [AUTO299 Automotive Internship](#) - Automotive Internship Credits: 1-6 (Complete 1 credits in Semester 1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3

Total Credits: 16

Semester 2: Spring Term

- [AUTO111 Automotive Drivelines & Trans.](#) - Automotive Drivelines and Transmissions Credits: 4
- [AUTO123 Engine Performance I](#) - Engine Performance I Credits: 4
- [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4
- [AUTO299 Automotive Internship](#) - Automotive Internship Credits: 1-6 (Complete 2 credits in Semester 2)

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Total Credits: 17

Summer

AUTO299 - Automotive Internship Credits: 1-6 (3 credits required)

Semester 3: Fall Term

- [AUTO222 Engine Performance II](#) - Engine Performance II Credits: 4
- [AUTO226 Automotive Engines I](#) - Automotive Engines I Credits: 4
- [AUTO299 Automotive Internship](#) - Automotive Internship Credits: 1-6 (Complete 2 credits)
- [Mathematics/Sciences/Technological Competency](#) Credits: 4

Humanities or Social Sciences Credits: 3

Total Credits: 17

Semester 4: Spring Term

- [AUTO213 Auto & Manual Trans Overhaul](#) - Automatic and Manual Transmission Overhaul Credits: 4
- [AUTO244 Auto Elect II & Air Condition](#) - Automotive Electricity/ Electronics II & Air Conditioning Credits: 4
- [General Education](#) Credits: 7

Total Credits: 15

Sequence Notes:

Total internship hours must equal 1280 hours.

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

Program Learning Outcomes

Name AUGMA - PLO 1	Outcome Demonstrate proficiency in the diagnosis of a General Motors automobile malfunction.
Name AUGMA - PLO 2	Outcome Demonstrate competency in the repair and service of the General Motors product.
Name AUGMA - PLO 3	Outcome Communicate effectively with customers and members of the automotive team.
Name AUGMA - PLO 4	Outcome Demonstrate professional accountability.

AUTCH - Automotive Technology Program, Auto Tech Option, A.A.S.

General

Program Title

Automotive Technology Program, Auto Tech Option, A.A.S.

Program Code

AUTCH

Program Description

This program is designed to meet the continual demand for trained automotive technicians. The student participates in hands-on experiences in testing, diagnosing, and repairing automobiles. Emphasis in class and laboratory is placed on real-world, hands-on experience. Upon graduation, the student is fully qualified to work in an auto service center/dealership as an auto technician, and may lead to positions such as service advisor, service manager, parts counter person, and service writer. As an A.A.S. degree, this option is not designed for transfer to a four-year school, but many courses may prove to be transferable.

Graduates of this program will be able to:

- Demonstrate proficiency in the diagnosis of an automobile malfunction.
- Demonstrate competency in the repair and service of an automobile.
- Demonstrate proficiency in the repair of advanced automotive electronic and computer systems.
- Communicate effectively with members of the automotive team.

Requirements

Requirements

General Education: 20 Credits

*Students can achieve 20 credits, by taking two 4-credit courses and four 3-credit courses.

As described in the [General Education](#) section of the catalog and as indicated below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) **or** [Social Sciences](#) Credits: 3 **
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- Any [General Education](#) Credits: 7-8

General Education Note:

**One course is recommended from the Cultural and Global Awareness knowledge area

Career Studies: 43 Credits as Follows:

- [AUTO101 Automotive Fundamentals](#) - Automotive Fundamentals Credits: 4
- [AUTO111 Automotive Drivelines & Trans.](#) - Automotive Drivelines and Transmissions Credits: 4
- [AUTO123 Engine Performance I](#) - Engine Performance I Credits: 4
- [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4
- [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4

- [AUTO141 Auto Electricity/Electronics I](#) - Automotive Electricity/Electronics I Credits: 4
- [AUTO213 Auto & Manual Trans Overhaul](#) - Automatic and Manual Transmission Overhaul Credits: 4
- [AUTO222 Engine Performance II](#) - Engine Performance II Credits: 4
- [AUTO226 Automotive Engines I](#) - Automotive Engines I Credits: 4
- [AUTO241 Auto Electricity/Elec II](#) - Automotive Electricity/Electronics II Credits: 3
- [AUTO243 Auto Heating & Air Cond.](#) - Automotive Heating and Air Conditioning Credits: 4 ***

Electives: Suggested Electives (beyond degree requirements):

[AUTO299 Automotive Internship](#) - Automotive Internship Credits: 1-6

Total Credits Required for Degree: 63

Notes:

***Offered Fall Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [AUTO101 Automotive Fundamentals](#) - Automotive Fundamentals Credits: 4
- [AUTO141 Auto Electricity/Electronics I](#) - Automotive Electricity/Electronics I Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- One of the following:
 - [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4
- OR
- [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4

Total Credits: 15

Semester 2: Spring Term

- [AUTO111 Automotive Drivelines & Trans.](#) - Automotive Drivelines and Transmissions Credits: 4
- [AUTO123 Engine Performance I](#) - Engine Performance I Credits: 4
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3 **or** [SPCH115 Public Speaking](#) - Public Speaking
- One of the following:
 - [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4
- OR
- [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4

Total Credits: 15

Semester 3: Fall Term

- [AUTO222 Engine Performance II](#) - Engine Performance II Credits: 4
- [AUTO226 Automotive Engines I](#) - Automotive Engine I Credits: 4
- [AUTO243 Auto Heating & Air Cond.](#) - Automotive Heating and Air Conditioning Credits: 4
- [Mathematics/Science/Technological Competency](#) Credits: 4

Total Credits: 16

Semester 4: Spring Term

- [AUTO213 Auto & Manual Trans Overhaul](#) - Automatic and Manual Transmission Overhaul Credits: 4
- [AUTO241 Auto Electricity/Elec II](#) - Automotive Electricity/Electronics II Credits: 3
- [Humanities or Social Sciences](#) Credits: 3
- [General Education](#) Credits: 7

Total Credits: 17

Program Learning Outcomes

Name AUTCH - PLO 1	Outcome Demonstrate proficiency in the diagnosis of an automobile malfunction.
Name AUTCH - PLO 2	Outcome Demonstrate competency in the repair and service of an automobile.
Name AUTCH - PLO 3	Outcome Demonstrate proficiency in the repair of advanced automotive electronic and computer systems.
Name AUTCH - PLO 4	Outcome Communicate effectively with members of the automotive team.

AUTOTA - Automotive Technician-Academic Cred Cert of Achievement

General

Program Title
Automotive Technician-Academic Cred Cert of Achievement

Program Code
AUTOTA

Program Description
This 43-credit comprehensive certificate will prepare students for entry level positions as automotive service technicians. The students participate in hands-on experiences in testing, diagnosing, and repairing automobiles. Emphasis in class and laboratory is placed on real-world, hands-on experience. Upon completion, the student is fully qualified to work in an auto service center/dealership as an auto technician, and may lead to positions such as service advisor and parts counter person.

The 43 Automotive credits can be combined with an additional 20 credits of General Education to fulfill the requirements for the AAS degree in Automotive Technology.

Graduates of this program will be able to:

- Demonstrate proficiency in the diagnosis of an automobile malfunction
- Demonstrate competency in the repair and service of an automobile
- Demonstrate proficiency in the repair of advanced automotive electronic and computer systems

Simple Requisites

Requirements

Career Studies Courses: 43 Credits

Type
Completion Requirement

Career Studies: 43 Credit

Complete ALL of the following Courses:

- [AUTO101 - Automotive Fundamentals](#)
- [AUTO111 - Automotive Drivelines and Transmissions](#)
- [AUTO123 - Engine Performance I](#)
- [AUTO131 - Automotive Steering, Suspension and Alignment](#)
- [AUTO132 - Automotive Brake Systems](#)
- [AUTO141 - Automotive Electricity/Electronics I](#)
- [AUTO213 - Automatic and Manual Transmission Overhaul](#)
- [AUTO222 - Engine Performance II](#)
- [AUTO226 - Automotive Engines I](#)
- [AUTO241 - Automotive Electricity/Electronics II](#)
- [AUTO243 - Automotive Heating and Air Conditioning](#)

Requirements

Requirements

- Career Studies: 43 Credits as Follows:**
- [AUTO101 Automotive Fundamentals](#) - Automotive Fundamentals Credits: 4
 - [AUTO111 Automotive Drivelines & Trans.](#) - Automotive Drivelines and Transmissions Credits: 4
 - [AUTO123 Engine Performance I](#) - Engine Performance I Credits: 4

- [AUTO131 Auto Steering/Suspension/Align](#) - Automotive Steering, Suspension and Alignment Credits: 4
- [AUTO132 Automotive Brake Systems](#) - Automotive Brake Systems Credits: 4
- [AUTO141 Auto Electricity/Electronics I](#) - Automotive Electricity/Electronics I Credits: 4
- [AUTO213 Auto & Manual Trans Overhaul](#) - Automatic and Manual Transmission Overhaul Credits: 4
- [AUTO222 Engine Performance II](#) - Engine Performance II Credits: 4
- [AUTO226 Automotive Engines I](#) - Automotive Engines I Credits: 4
- [AUTO241 Auto Electricity/Elec II](#) - Automotive Electricity/Electronics II Credits: 3
- [AUTO243 Auto Heating & Air Cond.](#) - Automotive Heating and Air Conditioning Credits: 4

Total credits: 43

Program Learning Outcomes

Name AUTOTA - PLO 1	Outcome Demonstrate proficiency in the diagnosis of an automobile malfunction.
Name AUTOTA - PLO 2	Outcome Demonstrate competency in the repair and service of an automobile.
Name AUTOTA - PLO 3	Outcome Demonstrate proficiency in the repair of advanced automotive electronic and computer systems.

BUSAD - Business Administration Program, A.S.

General

Program Title

Business Administration Program, A.S.

Program Code

BUSAD

Program Description

This program is for students wishing to transfer to four-year colleges that offer Bachelor's degrees in business or business education. It contains a broad range of business-related courses plus the general education studies required for transfer to most four-year schools. Upon graduation from this program, and subsequent completion of a four-year degree, students will be prepared to begin careers in financial management, marketing, personnel management, sales, operations management, government, and other business-related activities with opportunities for promotion to management positions. Students who wish to become business education teachers upon completion of a four-year degree should also begin in this program.

Graduates of this program will be able to:

- Acquire a common body of knowledge in Business and demonstrate competencies by appropriately applying the relevant theories and implementation of practices
- Develop an awareness of ethical issues in the business world
- Demonstrate a proficiency in critical thinking skills to analyze and solve business problems
- Apply analytical and quantitative skills

Requirements

Requirements

General Education: 32-33 Credits

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [MATH145 Algebraic Modeling](#) - Algebraic Modeling or [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credit: 4
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4 or [MATH156 Math for Management/Soc Sci](#) - Mathematics for Management and the Social Sciences Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- General Education Lab [Science](#) Credits: 4
- Humanities Credits: 3
 - Select one of the following:
 - [HIST105 World Civilization I](#) - World Civilization I
 - [HIST106 World Civilization II](#) - World Civilization II
 - [HIST135](#)- American Civilization I
 - [HIST136](#)- American Civilization II

- Social Science Credits: 3
 - Select one of the following:
 - [POLI105 American National Government](#) - American National Government
 - [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects
 - [SOCI101 Principles of Sociology](#) SOCI101 - Principles of Sociology
- Humanities or Social Science Credits: 3
 - Select one of the following:
 - [PHIL227 Introduction to Ethics](#) - Introduction to Ethics
 - [SOCI101 Principles of Sociology](#) SOCI101 - Principles of Sociology

Career Studies: 21 Credits as Follows:

A grade of "C" or higher is required in all career studies courses.

- [ACCT101 Principles of Accounting I](#) - Principles of Accounting I Credits: 3
- [ACCT102 Principles of Accounting II](#) - Principles of Accounting II Credits: 3
- [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3
- [BUSI205 Principles of Management](#) - Principles of Management Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [ECON106 Micro Economics](#) - Micro Economics Credits: 3
- [ECON225 Business Statistics](#) - Business Statistics Credits: 3

Career Studies: 6-9 Credits From Among the Following:

A grade of "C" or higher is required in all career studies courses.

- [ACCT112 Managerial Accounting](#) - Managerial Accounting Credits: 3 **
- [BUSI145 Fundamentals of Finance](#) - Fundamentals of Finance Credits: 3
- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [BUSI222 Business Law II](#) - Business Law II Credits: 3
- [BUSI246 Principles of Supply Chain Mgt](#) - Principles of Supply Chain Management Credits: 3
- [COMP128 Fundamentals of Programming](#) - Fundamentals of Programming Credits: 1 *
- [HOSP130 Intro to Sports Management](#) - Introduction to Sports Management Credits: 3
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- [MATH171 Calculus I](#) - Calculus I or [MATH176 Calculus Business Applications](#) - Calculus with Business Applications Credits: 4 *
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3

Electives: 0-1 Credits

Total Credits Required for Degree: 60

Notes:

*Rutgers New Brunswick requires MATH171 and COMP129 and COMP128. Rutgers Newark and Camden-Freehold require MATH176 and will accept MATH171.

**Offered in Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [MATH145 Algebraic Modeling](#) - Algebraic Modeling or [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4

Total Credits: 16

Semester 2: Spring Term

- [ACCT101 Principles of Accounting I](#) - Principles of Accounting Credits: 3
- [BUSI205 Principles of Management](#) - Principles of Management Credits: 3
- [ECON106 Micro Economics](#) - Micro Economics Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4 or [MATH156 Math for Management/Soc Sci](#) - Mathematics for Management and the Social Sciences Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- [ACCT102 Principles of Accounting II](#) - Principles of Accounting II Credits: 3
- [HIST105 World Civilization I](#) - World Civilization I or [HIST106 World Civilization II](#) - World Civilization II or [HIST135](#) - American Civilization I or [HIST136](#) - American Civilization II Credits: 3
- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects or [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- Career Studies: 3

Total Credits: 15

Semester 4: Spring Term

- [ECON225 Business Statistics](#) - Business Statistics Credits: 3
- General Education Lab [Science](#) Credits: 4
- [PHIL227 Introduction to Ethics](#) - Introduction to Ethics or [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3

- Career Studies Credits: 3
- Elective Credits: 0-1

Total Credits: 13-14

BUSADOL - Business Administration Program, A.S. Online

General

Program Title

Business Administration Program, A.S. Online

Program Code

BUSADOL

Program Description

This program is for students wishing to transfer to four-year colleges that offer Bachelor's degrees in business or business education. It contains a broad range of business-related courses plus the general education studies required for transfer to most four-year schools. Upon graduation from this program, and subsequent completion of a four-year degree, students will be prepared to begin careers in financial management, marketing, personnel management, sales, operations management, government, and other business-related activities with opportunities for promotion to management positions. Students who wish to become business education teachers upon completion of a four-year degree should also begin in this program.

Graduates of this program will be able to:

- Acquire a common body of knowledge in Business and demonstrate competencies by appropriately applying the relevant theories and implementation of practices
- Develop an awareness of ethical issues in the business world
- Demonstrate a proficiency in critical thinking skills to analyze and solve business problems
- Apply analytical and quantitative skills

Requirements

Requirements

General Education: 32-33 Credits

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [MATH145 Algebraic Modeling](#) - Algebraic Modeling or [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credit: 4
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4 or [MATH156 Math for Management/Soc Sci](#) - Mathematics for Management and the Social Sciences Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- General Education Lab [Science](#) Credits: 4
- Humanities Credits: 3
 - Select one of the following:
 - [HIST105 World Civilization I](#) - World Civilization I
 - [HIST106 World Civilization II](#) - World Civilization II
 - [HIST135](#)- American Civilization I
 - [HIST136](#)- American Civilization II

- Social Science Credits: 3
 - Select one of the following:
 - [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects
 - [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects
- Humanities or Social Science Credits: 3
 - Select one of the following:
 - [PHIL227 Introduction to Ethics](#) - Introduction to Ethics
 - [SOCI101 Principles of Sociology](#) - Principles of Sociology

Career Studies: 21 Credits as Follows:

A grade of "C" or higher is required in all career studies courses.

- [ACCT101 Principles of Accounting I](#) - Principles of Accounting I Credits: 3
- [ACCT102 Principles of Accounting II](#) - Principles of Accounting II Credits: 3
- [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3
- [BUSI205 Principles of Management](#) - Principles of Management Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [ECON106 Micro Economics](#) - Micro Economics Credits: 3
- [ECON225 Business Statistics](#) - Business Statistics Credits: 3

Career Studies: 6-9 Credits From Among the Following:

A grade of "C" or higher is required in all career studies courses.

- [ACCT112 Managerial Accounting](#) - Managerial Accounting Credits: 3 **
- [BUSI145 Fundamentals of Finance](#) - Fundamentals of Finance Credits: 3
- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [BUSI222 Business Law II](#) - Business Law II Credits: 3
- [BUSI246 Principles of Supply Chain Mgt](#) - Principles of Supply Chain Management Credits: 3
- [COMP128 Fundamentals of Programming](#) - Fundamentals of Programming Credits: 1 *
- [HOSP130 Intro to Sports Management](#) - Introduction to Sports Management Credits: 3
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- [MATH171 Calculus I](#) - Calculus I or [MATH176 Calculus Business Applications](#) - Calculus with Business Applications Credits: 4 *
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3

Electives: 0-1 Credits

Total Credits Required for Degree: 60

Notes:

*Rutgers New Brunswick requires MATH171 and COMP129 and COMP128. Rutgers Newark and Camden-Freehold require MATH176 and will accept MATH171.

**Offered in Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [MATH145 Algebraic Modeling](#) - Algebraic Modeling or [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4

Total Credits: 16

Semester 2: Spring Term

- [ACCT101 Principles of Accounting I](#) - Principles of Accounting Credits: 3
- [BUSI205 Principles of Management](#) - Principles of Management Credits: 3
- [ECON106 Micro Economics](#) - Micro Economics Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4 or [MATH156 Math for Management/Soc Sci](#) - Mathematics for Management and the Social Sciences Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- [ACCT102 Principles of Accounting II](#) - Principles of Accounting II Credits: 3
- [HIST105 World Civilization I](#) - World Civilization I or [HIST106 World Civilization II](#) - World Civilization II or [HIST135](#) - American Civilization I or [HIST136](#) - American Civilization II Credits: 3
- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects or [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- Career Studies: 3

Total Credits: 15

Semester 4: Spring Term

- [ECON225 Business Statistics](#) - Business Statistics Credits: 3
- General Education Lab [Science](#) Credits: 4
- [PHIL227 Introduction to Ethics](#) - Introduction to Ethics or [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3

- Career Studies Credits: 3
- Elective Credits: 0-1

Total Credits: 13-14

Program Learning Outcomes

Name BUSADOL - PLO 1	Outcome Acquire a common body of knowledge in Business and demonstrate competencies by appropriately applying the relevant theories and implementation of practices.
Name BUSADOL - PLO 2	Outcome Develop an awareness of ethical issues in the business world.
Name BUSADOL - PLO 3	Outcome Demonstrate a proficiency in critical thinking skills to analyze and solve business problems.
Name BUSADOL - PLO 4	Outcome Apply analytical and quantitative skills.

BUSI - Business Program, A.A.S.

General

Program Title

Business Program, A.A.S.

Program Code

BUSI

Program Description

This career program is designed for students who desire entry-level employment in business - related careers. This degree, combined with work experience, may enhance promotion opportunities. The core concentrations provide specialized knowledge in specific areas of Accounting, Marketing and Management. The program is not designed for transfer to a four-year college, although many courses will transfer. Persons wishing to transfer should select the Business Administration A.S. program.

Graduates of this program will be able to:

- Apply business terminology and concepts
- Analyze business situations and develop effective plans for achievement of goals
- Utilize appropriate financial and quantitative data analysis tools and technology to solve business-related problems
- Make decisions reflecting an understanding of how political-legal, competitive, technological, economic and social issues influence business
- Communicate an understanding of business principles in written and oral form
- Demonstrate effective team/interpersonal skills.

Requirements

Requirements

General Education: 21 Credits

As described in the [General Education](#) section in the catalog.

- The following General Education courses are required:
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
 - [COMP129 Information Technology](#) - Information Technology Credits: 3
 - Humanities or Social Sciences- Select one course from the following
 - [PHIL115 Introduction to Philosophy](#) - Introduction to Philosophy Credits: 3
 - [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits:
 - [ECON106 Micro Economics](#) - Micro Economics Credits: 3
 - General Education- [Cultural and Global Awareness](#) course Credits: 3
 - General Education- [General Education](#) courses Credits: 6

Career Studies: 15 Credits as Follows:

A grade of "C" or higher is required in career studies courses.

- [ACCT101 Principles of Accounting I](#) - Principles of Accounting I Credits: 3
- [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3 (1)

- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3

Career Studies: 21 Credits From One of the Following Concentrations:

A grade of "C" or higher is required in career studies courses.

Select career studies courses from one of the following concentrations:

Accounting, Management, or Marketing.

- Accounting Concentration
 - Career Studies: 12 credits required
 - [ACCT102 Principles of Accounting II](#) - Principles of Accounting II Credits: 3
 - [ACCT105 Introduction to QuickBooks](#) - Introduction to QuickBooks Credits: 3 **
 - [ACCT112 Managerial Accounting](#) - Managerial Accounting Credits: 3 **
 - [ACCT115 Federal Income Tax](#) - Federal Income Tax Credits: 3 *
 - Career Studies: Select 9 credits from the following
 - [BUSI222 Business Law II](#) - Business Law II Credits: 3
 - [BUSI241 Entrepreneurship](#) - Entrepreneurship Credits: 3 **
 - [BUSI245 Project Management](#) - Project Management Credits: 3 *
 - [ACCT299 Accounting Internship](#) - Accounting Internship Credits: 3
- Management Concentration
 - Career Studies: 12 credits required
 - [BUSI205 Principles of Management](#) - Principles of Management Credits: 3
 - [BUSI241 Entrepreneurship](#) - Entrepreneurship Credits: 3 **
 - [BUSI251 Global Business](#) - Global Business Credits: 3
 - [BUSI298 Management Analysis](#) - Management Analysis - Capstone Seminar Credits: 3 **
 - Career Studies: Select 9 credits from the following
 - [BUSI145](#) - Fundamentals of Finance Credits: 3
 - [BUSI231 Human Resource Management](#) - Human Resource Management Credits: 3 *
 - [BUSI245 Project Management](#) - Project Management Credits: 3 *
 - [BUSI246 Principles of Supply Chain Mgt](#) - Principles of Supply Chain Management Credits: 3 **
 - [BUSI295 Special Project - Management](#) - Special Project - Management Credits: 3
 - [BUSI299 Business Internship](#) - Business Internship Credits: 3

- [HOSP130 Intro to Sports Management](#) - Introduction to Sports Management Credits: 3

• Marketing Concentration

- Career Studies: 12 credits required
 - [MRKT105 Advertising](#) - Advertising Credits: 3
 - [MRKT111 Fundamentals of Retailing](#) - Fundamentals of Retailing Credits: 3
 - [MRKT115 Social Media Marketing](#) - Social Media Marketing Credits: 3
 - [MRKT145 Salesmanship](#) - Salesmanship Credits: 3 **
- Career Studies: 9 credits from the following:
 - [BUSI241 Entrepreneurship](#) - Entrepreneurship Credits: 3 **
 - [BUSI245 Project Management](#) - Project Management Credits: 3 *
 - [BUSI246 Principles of Supply Chain Mgt](#) - Principles of Supply Chain Management Credits: 3 **
 - [HOSP130 Intro to Sports Management](#) - Introduction to Sports Management Credits: 3
 - [MRKT295 Special Project-Marketing](#) - Special Project-Marketing Credits: 3
 - [MRKT299 Marketing Internship](#) - Marketing Internship Credits: 3

Electives: 3 Credits

Total Credits Required for Degree: 60

Notes:

(1) Recommended as first BUSI course

A grade of "C" or higher must be earned in all career studies courses in order to complete the program.

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Accounting Concentration
 - [ACCT101 Principles of Accounting I](#) - Principles of Accounting I Credits: 3
 - [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3
 - [COMP129 Information Technology](#) - Information Technology Credits: 3

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities/Social Sciences](#) Credits: 3

- Management Concentration

- [ACCT101 Principles of Accounting I](#) - Principles of Accounting I Credits: 3
- [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities/Social Sciences](#) Credits: 3

- Marketing Concentration

- [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities/Social Sciences](#) Credits: 3

Total Credits: 15

Semester 2: Spring Term

- Accounting Concentration

- [ACCT102 Principles of Accounting II](#) - Principles of Accounting II Credits: 3
- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3
- [Cultural and Global Awareness](#) Credits: 3

- Management Concentration

- [BUSI205 Principles of Management](#) - Principles of Management Credits: 3
- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3
- [Cultural and Global Awareness](#) Credits: 3

- Marketing Concentration

- [ACCT101 Principles of Accounting I](#) - Principles of Accounting I Credits: 3
- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3

- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3
- [Cultural and Global Awareness](#) Credits: 3

Total Credits: 15

Semester 3: Fall Term

- Accounting Concentration

- [ACCT115 Federal Income Tax](#) - Federal Income Tax Credits: 3
- Career Studies Credits: 3
- Career Studies Credits: 3
- [General Education](#) Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

- Management Concentration

- [BUSI251 Global Business](#) - Global Business Credits: 3
- Career Studies Credits: 3
- [General Education](#) Credits: 6
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

- Marketing Concentration

- [MRKT111 Fundamentals of Retailing](#) - Fundamentals of Retailing Credits: 3
- [MRKT115 Social Media Marketing](#) - Social Media Marketing Credits: 3
- Career Studies Credits: 3
- [General Education](#) Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Total Credits: 15

Semester 4: Spring Term

- Accounting Concentration

- [ACCT105 Introduction to QuickBooks](#) - Introduction to QuickBooks Credits: 3
- [ACCT112 Managerial Accounting](#) - Managerial Accounting Credits: 3
- Career Studies Credits: 3
- [General Education](#) Credits: 3
- Elective Credits: 3

- Management Concentration

- [BUSI241 Entrepreneurship](#) - Entrepreneurship Credits: 3
- [BUSI298 Management Analysis](#) - Management Analysis - Capstone Seminar Credits: 3
- Career Studies Credits: 3
- Career Studies Credits: 3
- Elective Credits: 3

- Marketing Concentration

- [MRKT145 Salesmanship](#) - Salesmanship Credits: 3
- Career Studies Credits: 3

- Career Studies Credits: 3
- [General Education](#) Credits: 3
- Elective Credits: 3

Total Credits: 15

Program Learning Outcomes

Name BUSI - PLO 1	Outcome Apply business terminology and concepts.
Name BUSI - PLO 2	Outcome Analyze business situations and develop effective plans for achievement of goals.
Name BUSI - PLO 3	Outcome Utilize appropriate financial and quantitative data analysis tools and technology to solve business-related problems.
Name BUSI - PLO 4	Outcome Make decisions reflecting an understanding of how political-legal, competitive, technological, economic and social issues influence business.
Name BUSI - PLO 5	Outcome Communicate an understanding of business principles in written and oral form.
Name BUSI - PLO 6	Outcome Demonstrate effective team/ interpersonal skills.

BUTCS - Technical Studies Program, Business Management Option, A.A.S

General

Program Title

Technical Studies Program, Business Management Option, A.A.S

Program Code

BUTCS

Program Description

This career program is designed for students with prior work experience and apprenticeship training to earn an Associate's degree and pursue a business career related to their technical expertise. Students may be granted up to 25 college credits from training programs approved by the American Council on Education. Students complete course work that provides management training for employment opportunities in business or in establishing their own business.

Graduates of this program will be able to:

- Communicate effectively in both team and interpersonal settings
- Employ critical thinking to solve technical problems
- Apply theory and hands-on practice to a specific technical studies trade
- Interpret and communicate technical concepts orally, in written form, and electronically

Requirements

Requirements

General Education: 21 Credits as Follows:

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 *
- [General Education](#) Courses: Any category Credits: 9
 - Recommended General Education Courses below
 - [PHIL105 Critical Thinking](#) - Critical Thinking (Humanities) Credits: 3
 - [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects (Social Science)Credits: 3
 - [ENVR108 Principles of Sustainability](#) - Principles of Sustainability (Science) Credits: 3
 - [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process (Cultural and Global) Credits: 3

Technical Core: A Maximum of 30 Credits*

Technical credits granted for training programs approved by the American Council on Education from an approved apprenticeship program or military training.

*The college allows a student to transfer a maximum number of credits including technical credits, general education, and career studies courses into a program. See an advisor to transfer in more than 30 credits. If a student does not have 30 technical credits, the remaining credits can be elective credits approved by a counselor or can be complete through the apprenticeship program.

Career Studies: 3 Credits

- [CSSC105 College Success & Career Explo](#) - College Success Seminar Course Credits: 3

Career Studies: 6 Credits From Among the Following:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [BUSI105 Introduction to Business](#) - Introduction to Business Credits: 3
- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [BUSI245 Project Management](#) - Project Management Credits: 3*
- [ARCH121 People and Their Environment](#) - People and Their Environment Credits: 3
- [ARCH151 Architectural Construction I](#) - Architectural Construction I Credits: 3
- [ARCH225 3D Architectural CAD](#) - 3D Architectural CAD Credits: 3
- [SPCH130 Interpersonal Communications](#) - Interpersonal Communications Credits: 3

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed for apprenticeship students taking one course per term. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [CSSC105 College Success & Career Explo](#) - College Success Seminar Course Credits: 3

Semester 2: Spring Term

- [COMP129 Information Technology](#) - Information Technology Credits: 3

Semester 3: Fall Term

- [General Education](#) Credits: 3

Semester 4: Spring Term

- Career Studies Credits: 3

Semester 5: Fall Term

- [General Education](#) Credits: 3

Semester 6: Spring Term

- Career Studies Credits: 3

Semester 7: Fall Term

- Career Studies Credits: 3

Semester 8: Spring Term

- [General Education](#) Credits: 3

Semester 9: Fall Term

- [General Education](#) Credits: 3

Semester 10: Spring Term

- [General Education](#) Credits: 3

Program Learning Outcomes

Name BUTCS - PLO 1	Outcome Communicate effectively in both team and interpersonal settings.
Name BUTCS - PLO 2	Outcome Employ critical thinking to solve technical problems.
Name BUTCS - PLO 3	Outcome Apply theory and hands-on practice to a specific technical studies trade.
Name BUTCS - PLO 4	Outcome Interpret and communicate technical concepts orally, in written form, and electronically.

CMAUD - Communications Media Program, Audio Production Option, A.A.S

General

Program Title

Communications Media Program, Audio Production Option, A.A.S

Program Code

CMAUD

Program Description

This career option provides students with the skills necessary to take entry-level positions in the field of audio recording. Hands-on experience with an emphasis on digital technology will prepare students for positions in the audio recording industry. Students can apply skills learned to music, television, and multimedia production. This option is not designed for transfer to a four-year college. Students who wish to continue at the four-year level should consider one of the options of the Humanities A.A. Program.

Graduates of this program will be able to:

- Demonstrate expertise in field production techniques and editing.
- Apply and synthesize basic concepts about the history, theories, social effects, terminology and aesthetics of communication.
- Create projects that adhere to a variety of aesthetic principles.

Requirements

Requirements

General Education: 20-22 Credits

As described in the [General Education](#) section of the catalog and identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research or [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) or [Social Sciences](#) Credits: 3-4*
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- Any [General Education](#) Credits: 8

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 21 Credits as Follows:

- [COMM101 Introduction to Communication](#) - Introduction to Communication Credits: 3
- [COMM102 Communication Media](#) - Communication Media Credits: 3
- [COMM115 Audio in Media](#) - Audio in Media Credits: 3
- [COMM216 Adv Digital Audio/Music Record](#) - Advanced Digital Audio/Musical Recording Credits: 3
- [RDIO101 Intro to Radio and Podcasting](#) - Introduction to Radio Credits: 3
- [TELV115 TV Aesthetics and Analysis](#) - TV Aesthetics and Analysis Credits: 3
- [TELV121 TV Production](#) - Television Production Credits: 3

Career Studies: 12 Credits From Among the Following:

- [CINE105 Film Appreciation](#) - Film Appreciation Credits: 3

- [COMM295 Spec. Proj. - Comm. Media](#) - Special Project: Communication Media Credits: 1-6
- [COMM299 Comm. Media Internship](#) - Communication Media Internship Credits: 1-6
- [MUSI101 Fundamentals of Music](#) - Fundamentals of Music Credits: 3
- [MUSI115 History of Classical Music](#) - History of Classical Music Credits: 3
- [TELV122 Digital Video Production](#) - Digital Video Production Credits: 3

Electives: 5-7 Credits

Total Credits Required for Degree: 60

Notes:

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [COMM101 Introduction to Communication](#) - Introduction to Communication Credits: 3
- [TELV115 TV Aesthetics and Analysis](#) - TV Aesthetics and Analysis Credits: 3
- [TELV121 TV Production](#) - Television Production Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 15

Semester 2: Spring Term

- Career Studies Credits: 3
- [COMM102 Communication Media](#) - Communication Media Credits: 3
- [COMM115 Audio in Media](#) - Audio in Media Credits: 3
- [Communications](#) Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4

Total Credits: 15-16

Semester 3: Fall Term

- [RDIO101 Intro to Radio and Podcasting](#) - Introduction to Radio Credits: 3
- Career Studies Credits: 3
- [Social Sciences](#) Credits: 3
- Elective Credits: 3

Total Credits: 15

Semester 4: Spring Term

- Career Studies Credits: 3
- [COMM216 Adv Digital Audio/Music Record](#) - Advanced Digital Audio/Musical Recording Credits: 3

- [General Education](#) Credits: 6 (1)
- Elective Credits: 2-4

Total Credits: 14-16

Sequence Notes:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name CMAUD - PLO 1	Outcome Demonstrate expertise in field production techniques and editing.
Name CMAUD - PLO 2	Outcome Apply and synthesize basic concepts about the history, theories, social effects, terminology and aesthetics of communication.
Name CMAUD - PLO 3	Outcome Create projects that adhere to a variety of aesthetic principles.

CMPPR - Computer Science Program, Programming Option, A.A.S.

General

Program Title

Computer Science Program, Programming Option, A.A.S.

Program Code

CMPPR

Program Description

Students wishing to gain knowledge of computer programming and design should choose this program. Courses are designed to offer hands-on experience to prepare the student for an entry level computer programming position. Focus is on problem analysis, design, coding, testing and debugging. This degree is not designed to transfer, although the student will find that many of the courses which provide a foundation in computer science may transfer. See also the Web Site Development Option - Computer Science A.A.S.

Graduates of this program will be able to:

- Analyze problems
- Create effective algorithms
- Code, debug, test, and document programs using basic control structures
- Create programs using data structures such as arrays, lists, and stacks
- Design and use classes and objects
- Create programs which use Graphical User interfaces
- Explain functions of operating systems and computer architecture
- Understand how to store and access data using a database
- Plan and design a computer information system

Requirements

Requirements

General Education: 20-21 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 *
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- [General Education](#) - Any Courses Credits: 7-9

General Education Note:

*One course is recommended from [Cultural and Global Awareness](#) knowledge area.

Career Studies: 30 Credits as Follows:

A grade of "C" or higher is required in all career studies courses.

- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [COMP135 Comp. Architect-Assembly Lang.](#) - Computer Architecture Using Assembly Language Credits: 3
- [COMP166 WEB Design Using HTML](#) - WEB Design Using HTML Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3

- [COMP225 Operating Systems Technology](#) - Operating Systems Technology Credits: 3
- [COMP226 System Analysis and Design](#) - System Analysis and Design Credits: 3
- [COMP228 Data Structures](#) - Data Structures Credits: 3
- [COMP269 Database Concepts](#) - Database Concepts Credits: 3
- [COMP271 Programming II](#) - Programming II Credits: 3
- [COMP296 Advanced Software Project](#) - Advanced Software Project Credits: 3

Technical Electives: 9 Credits From Among the Following:

A grade of "C" or higher is required in all career studies courses.

- [BUSI245 Project Management](#) - Project Management Credits: 3
- [COMP140 Designing/Developing Web Sites](#) - Designing/Developing Web Sites Credits: 3
- [COMP145 Introduction to UNIX](#) - Introduction to UNIX Credits: 3
- [COMP185 Programming in C#](#) - Programming in C# Credits: 3 *
- [COMP235 Programming for Mobile Devices](#) - Programming for Mobile Devices Credits: 3
- [COMP246 Full-Stack Web Development](#) - Full Stack Web Development Credits: 3
- [COMP299 Computer Science Internship](#) - Computer Science Internship Credits: 1-3

Electives: 0-1 Credit

Total Credits Required for Degree: 60

Notes:

A grade of "C" or higher must be earned in all career studies courses in order to complete the program.

*Offered Fall Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- Technical Electives Credits: 3

Total Credits: 15-16

Semester 2: Spring Term

- [COMP135 Comp. Architect-Assembly Lang.](#) - Computer Architecture Using Assembly Language Credits: 3
- [COMP166 WEB Design Using HTML](#) - WEB Design Using HTML Credits: 3

- [COMP271 Programming II](#) - Programming II Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: The Writing Process **or** SPCH115 - Public Speaking Credits: 3
- [Humanities or Social Sciences](#) Credits: 3

Total Credits: 15

Semester 3: Fall Term

- Technical Elective Credits: 3
- [COMP225 Operating Systems Technology](#) - Operating Systems Technology Credits: 3
- [COMP226 System Analysis and Design](#) - Systems Analysis and Design Credits: 3
- [COMP269 Database Concepts](#) - Database Concepts Credits: 3
- [General Education](#) Credits: 3

Total Credits: 15

Semester 4: Spring Term

- [COMP228 Data Structures](#) - Data Structures Credits: 3
- [COMP246 Full-Stack Web Development](#) - Full Stack Web Development Credits: 3
- [COMP296 Advanced Software Project](#) - Advanced Software Project Credits: 3
- [General Education](#) Credits: 4-6 (1)
- Elective Credit: 0-1

Total Credits: 14-15

Sequence Notes:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

*Offered Fall Term only

Program Learning Outcomes

Name CMPPR - PLO 1	Outcome Analyze problems.
Name CMPPR - PLO 2	Outcome Create effective algorithms.
Name CMPPR - PLO 3	Outcome Code, debug, test, and document programs using basic control structures.
Name CMPPR - PLO 4	Outcome Create programs using data structures such as arrays, lists, and stacks.

Name CMPPR - PLO 5	Outcome Design and use classes and objects.
Name CMPPR - PLO 6	Outcome Create programs which use Graphical User interfaces.
Name CMPPR - PLO 7	Outcome Explain functions of operating systems and computer architecture.
Name CMPPR - PLO 8	Outcome Understand how to store and access data using a database.
Name CMPPR - PLO 9	Outcome Plan and design a computer information system.

CMPSC - Computer Science Program, A.S.

General

Program Title

Computer Science Program, A.S.

Program Code

CMPSC

Program Description

This program is designed for students who would like to transfer to a four-year program in Computer Science or related areas, such as Management Information Systems or Software Engineering. Hands-on computer courses are combined with general and mathematics courses to provide the student with the essential coursework needed to succeed beyond the Associate degree.

Graduates of this program will be able to:

- Analyze problems
- Create effective algorithms
- Code, debug, test and document programs using basic control structures
- Create programs using data structures such as arrays, lists, and stacks
- Design and use classes and objects
- Explain functions of operating systems and computer architecture
- Understand how to store and access data using a database
- Plan and design a computer information system

Requirements

Requirements

General Education: 30 Credits

As described in the [General Education](#) section of the catalog. The following General Education courses are required for students choosing this program.

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Humanities](#) or [Social Sciences](#) Credits: 3 *
- [Mathematics/Sciences](#) (Required minimum: 3-4 credits mathematics and 4 credit lab science).
 - The following courses are recommended:
 - [MATH171 Calculus I](#) - Calculus I Credits: 4 **
 - [PHYS121 General Physics I](#) - General Physics I Credits: 4 ***
 - [PHYS122 General Physics II](#) - General Physics II Credits: 4 ***

General Education Notes:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

****This program assumes that the student is prepared to take MATH171 Calculus I as a first semester college level math course. Students who need to satisfy basic math requirements or who are counseled to take courses prior to Calculus will need to take additional credits. Also note that MATH171 Calculus I is a prerequisite of MATH172 Calculus II.**

*****Recommended for transfer to NJIT. Student should consult an advisor.**

Career Studies: 28 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete the program.

- [COMP135 Comp. Architect-Assembly Lang.](#) - Computer Architecture Using Assembly Language Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3
- [COMP225 Operating Systems Technology](#) - Operating Systems Technology Credits: 3
- [COMP226 System Analysis and Design](#) - System Analysis and Design Credits: 3
- [COMP228 Data Structures](#) - Data Structures Credits: 3
- [COMP269 Database Concepts](#) - Database Concepts Credits: 3
- [COMP271 Programming II](#) - Programming II Credits: 3
- [COMP296 Advanced Software Project](#) - Advanced Software Project Credits: 3
- [MATH172 Calculus II](#) - Calculus II Credits: 4

Electives: 2 Credits

- Recommended:
 - [COMP299 Computer Science Internship](#) - Computer Science Internship Credits: 1-3
 - [MATH132 Intro Data Science Appld Stats](#) - Introduction to Data Science and Applied Statistics Credits: 4

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and *prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3
- [MATH171 Calculus I](#) - Calculus I Credits: 4 *
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 16

Semester 2: Spring Term

- [COMP135 Comp. Architect-Assembly Lang.](#) - Computer Architecture Using Assembly Language Credits: 3
- [COMP271 Programming II](#) - Programming II Credits: 3
- [MATH172 Calculus II](#) - Calculus II Credits: 4

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 (1)

Total Credits: 16

Semester 3: Fall Term

- [COMP225 Operating Systems Technology](#) - Operating Systems Technology Credits: 3
- [COMP226 System Analysis and Design](#) - System Analysis and Design Credits: 3
- [COMP269 Database Concepts](#) - Database Concepts Credits: 3
- [PHYS121 General Physics I](#) - General Physics I Credits: 4

Total Credits: 13

Semester 4: Spring Term

- [COMP228 Data Structures](#) - Data Structures Credits: 3
- [COMP296 Advanced Software Project](#) - Advanced Software Project Credits: 3
- [PHYS122 General Physics II](#) - General Physics II Credits: 4
- [Humanities](#) Credits: 3
- Elective Credits: 2

Total Credits: 15

Sequence Notes:

*MATH152 and/or MATH153 may be required if prerequisites for MATH171 are not satisfied.

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name CMPSC - PLO 1	Outcome Analyze problems.
Name CMPSC - PLO 2	Outcome Create effective algorithms.
Name CMPSC - PLO 3	Outcome Code, debug, test and document programs using basic control structures.
Name CMPSC - PLO 4	Outcome Create programs using data structures such as arrays, lists, and stacks.
Name CMPSC - PLO 5	Outcome Design and use classes and objects.

Name CMPSC - PLO 6	Outcome Explain functions of operating systems and computer architecture
Name CMPSC - PLO 7	Outcome Understand how to store and access data using a database.
Name CMPSC - PLO 8	Outcome Plan and design a computer information system.

CMPWD - Computer Science Program, Web Site Development Option, A.A.S

General

Program Title

Computer Science Program, Web Site Development Option, A.A.S

Program Code

CMPWD

Program Description

Students wishing to gain a technical proficiency and expertise in planning, design, development, implementation and maintenance of web sites should choose this option. Upon completion, the student will be prepared to enter the web developer field. Students will learn the necessary languages, tools, concepts and technical skills. This degree is not designed to transfer, although the student will find that many of the courses which provide for a foundation in computer science may transfer.

Graduates of this program will be able to:

- Plan and develop interactive websites
- Enable access to databases
- Efficiently use HTML, XML and web site development tools
- Enhance web sites through scripting and programming
- Analyze and design systems

Requirements

Requirements

General Education: 20-21 Credits

As described in the [General Education](#) section of the catalog and below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 *
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- [General Education](#)- Any course Credits: 7-9

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 30 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [COMP140 Designing/Developing Web Sites](#) - Designing/Developing Web Sites Credits: 3
- [COMP145 Introduction to UNIX](#) - Introduction to UNIX Credits: 3
- [COMP166 WEB Design Using HTML](#) - WEB Design Using HTML Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3
- [COMP185 Programming in C#](#) - Programming in C# Credits: 3 *

- [COMP226 System Analysis and Design](#) - System Analysis and Design Credits: 3
- [COMP246 Full-Stack Web Development](#) - Full Stack Web Development Credits: 3
- [COMP269 Database Concepts](#) - Database Concepts Credits: 3
- [COMP296 Advanced Software Project](#) - Advanced Software Project Credits: 3

Technical Electives: 9 Credits From Among the Following:

- [ARTC141 Digital Paint I](#) - Digital Paint I Credits: 3
- [ARTC142 Digital Paint II](#) - Digital Paint II Credits: 3
- [ARTC147 Desktop Publishing I](#) - Desktop Publishing I Credits: 3
- [COMP271 Programming II](#) - Programming II Credits: 3
- [COMP299 Computer Science Internship](#) - Computer Science Internship Credits: 1-3
- [NETW106 Intro to Networking TCP/IP](#) - Introduction to Networking TCP/IP Credits: 3
- [NETW107 Introduction to Security](#) - Introduction to Security Credits: 3

Electives: 0-1 Credit

Total Credits Required for Degree: 60

Notes:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

*Offered Fall Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [COMP145 Introduction to UNIX](#) - Introduction to UNIX Credits: 3
- [COMP166 WEB Design Using HTML](#) - WEB Design Using HTML Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities or Social Sciences](#) Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [COMP140 Designing/Developing Web Sites](#) - Designing/Developing Web Sites Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3
- [COMP269 Database Concepts](#) - Database Concepts Credits: 3
- [ENGL122 EngI Comp: Writing & Research](#) - English Composition: Writing and Research [or](#) [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

- [Mathematics/Science/Technological Competency](#) Credits: 3-4

Total Credits: 15-16

Semester 3: Fall Term

- [COMP185 Programming in C#](#) - Programming in C# Credits: 3
- [COMP226 System Analysis and Design](#) - System Analysis and Design Credits: 3
- [COMP246 Full-Stack Web Development](#) - Full Stack Web Development Credits: 3
- [General Education](#) Credits: 3 (1)
- Technical Electives Credits: 3

Total Credits: 15

Semester 4: Spring Term

- [COMP296 Advanced Software Project](#) - Advanced Software Project Credits: 3
- Technical Electives Credits: 6
- [General Education](#) Credits: 4-6
- Elective Credits: 0-1

Total Credits: 14-15

Sequence Note:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

CMVP - Communications Media Program, Video Production Option, A.A.S

General

Program Title

Communications Media Program, Video Production Option, A.A.S

Program Code

CMVP

Program Description

This option prepares students for entry-level positions in the video industry. Hands-on experience, with an emphasis on digital technology, provides the skills necessary to plan programming and assist production as a camera operator, audio recordist, technical director, or general crew member. Students who wish to continue at the four-year level should consider one of the options of the Humanities A.A. Program.

Graduates of this program will be able to:

- Demonstrate proficiency with television studio equipment, digital audio and digital video technology
- Create projects that adhere to a variety of aesthetic principles
- Apply concepts about the history and nature of television production

Requirements

Requirements

General Education: 20-22 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) **or** [Social Sciences](#) Credits: 3 *
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- Any [General Education](#) Credits: 7-9

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 21 Credits as Follows:

- [COMM101 Introduction to Communication](#) - Introduction to Communication Credits: 3
- [COMM102 Communication Media](#) - Communication Media Credits: 3
- [COMM115 Audio in Media](#) - Audio in Media Credits: 3
- [TELV115 TV Aesthetics and Analysis](#) - TV Aesthetics and Analysis Credits: 3
- [TELV121 TV Production](#) - Television Production Credits: 3
- [TELV122 Digital Video Production](#) - Digital Video Production Credits: 3
- [TELV224 Video Editing/Post Production](#) - Video Editing and Post Production Credits: 3

Career Studies: 15 Credits From Among the Following:

- [CINE105 Film Appreciation](#) - Film Appreciation 3

- [COMM216 Adv Digital Audio/Music Record](#) - Advanced Digital Audio/Musical Recording Credits: 3
- [DGMD101 Introduction to Digital Media](#) - Introduction to Digital Media Credits: 3
- [DIGM115 Digital Editing: After Effects](#) - Digital Editing: After Effects Credits: 3
- [DIGM116 Prod & Storyboardng: Photoshop](#) - Production & Storyboarding: Photoshop Credits: 3
- [TELV295 TV Special Project](#) - Special Project - Television Credits: 1-6
- [TELV299 TV Internship](#) - Television Internship Credits: 1-6

Elective: 2-4 Credits

Total Credits Required for Degree: 60

Note:

*Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [COMM101 Introduction to Communication](#) - : Introduction to Communication Credits: 3
- [TELV115 TV Aesthetics and Analysis](#) - TV Aesthetics and Analysis Credits: 3
- [TELV121 TV Production](#) - Television Production Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [COMM102 Communication Media](#) - Communication Media Credits: 3
- [TELV122 Digital Video Production](#) - Digital Video Production Credits: 3
- [Communications](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [General Education](#) Credits: 3 (1)

Total Credits: 15

Semester 3: Fall Term

- [COMM115 Audio in Media](#) - Audio in Media Credits: 3
- [TELV224 Video Editing/Post Production](#) - Video Editing and Post Production **or** Career Studies Credits: 3
- Career Studies Credits: 6
- [Mathematics or Science or Technological Competency](#) Credits: 3-4

Total Credits: 15-16

Semester 4: Spring Term

- [TEL224 Video Editing/Post Production](#) - Video Editing and Post Production or Career Studies Credits: 3
- Career Studies Credits: 6
- [General Education](#) Credits: 3
- Elective Credits: 2-4 Credits

Total Credits: 14-16

Sequence Note:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name CMVP - PLO 1	Outcome Demonstrate proficiency with television studio equipment, digital audio and digital video technology.
Name CMVP - PLO 2	Outcome Create projects that adhere to a variety of aesthetic principles.
Name CMVP - PLO 3	Outcome Apply concepts about the history and nature of television production.

CRJUS - Criminal Justice Program, A.S.

General

Program Title

Criminal Justice Program, A.S.

Program Code

CRJUS

Program Description

The Criminal Justice program is both a transfer and a career program. Students can go on to earn a B.A. Degree or take courses in an effort to find employment. The study of criminal justice provides an opportunity to learn about issues and problems in society's response to crime. Coursework also seeks to provide particular career-oriented skills. Career opportunities exist in law enforcement, court administration, corrections and security.

Graduates of this program will be able to:

- Identify occupational opportunities in the three sub-systems of the criminal justice system
- Analyze the constitutional rights and court decisions most important to the criminal justice system
- Analyze the structure of the New Jersey and the United States court systems
- Critique the important decision points in the criminal justice process
- Construct their own personal views on controversial issues raised about the American justice system
- Examine the issues of professional responsibility and ethical standards in the criminal justice system

Requirements

Requirements

General Education: 30-32 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 9 (Lab science required)
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3 *
- [Humanities or Social Sciences](#) Credits: 3 * (1)
 - The following Social Science courses are recommended for students in this program:
 - [POL115 State, County, & Local Govt](#) - State, County, & Local Government Credits: 3
 - [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- Any [General Education](#) Credits: 6
 - Recommended
 - [62224b58-73d3-4f3e-887d-cc54e4415c9e - Missing course](#) - Public Speaking Credits: 3

General Education Notes:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 21 Credits From Among the Following:

- [CRJU101 Intro to Criminal Justice](#) - Introduction to Criminal Justice System Credits: 3
- [CRJU125 Police Role in Community](#) - Police Role in Community Credits: 3
- [CRJU126 Intro Public Administrtrn](#) - Introduction to Public Administration Credits: 3
- [CRJU127 Intro to Corrections](#) - Introduction to Corrections Credits: 3
- [CRJU131 Intro to Private Security](#) - Introduction to Private Security Credits: 3 *
- [CRJU151 Intro to Criminology](#) - Introduction to Criminology Credits: 3
- [CRJU202 Criminal Investigation](#) - Criminal Investigation Credits: 3
- [CRJU204 Forensic Investigation](#) - Forensic Investigation Credits: 3
- [CRJU205 Community Corrections](#) - Community Corrections Credits: 3
- [CRJU225 Police Organiz. & Admin.](#) - Police Organization and Administration Credits: 3
- [CRJU226 Criminal Law](#) - Criminal Law Credits: 3
- [CRJU229 Criminal Due Process](#) - Criminal Due Process Credits: 3
- [CRJU235 Loss Prevention](#) - Loss Prevention Credits: 3 **
- [CRJU236 Counter Terrorism](#) - Counter Terrorism Credits: 3
- [CRJU237 Homeland Security](#) - Homeland Security Credits: 3
- [CRJU245 Delinquency & Juvenile Justice](#) - Delinquency and Juvenile Justice Credits: 3
- [CRJU295 Spec Proj Crim. Justice](#) - Special Project: Criminal Justice Credits: 1-3
- [CRJU299 Crim Justice Internship](#) - Criminal Justice Internship Credits: 3
- [GEOG126/ENVR126 Introduction to GIS](#) - Introduction to Geographic Information Systems (GIS) Credits: 3
- [NETW107 Introduction to Security](#) - Introduction to Security Credits: 3 *

Electives: 7-9 Credits

Total Credits Required for Degree: 60

Notes:

- [CRJU236 Counter Terrorism](#) is a recognized Globally Enhanced Class.

*Offered Fall Term Only

**Offered Spring Term Only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [CRJU101 Intro to Criminal Justice](#) - Introduction to Criminal Justice System Credits: 3

- Career Studies Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Social Sciences](#) Credits: 3 *
- [Mathematics](#) Credits: 3-4 (2)

Total Credits: 15-16

Semester 2: Spring Term

- Career Studies Credits: 6
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (2)
- [General Education](#) Credits: 3 (1)

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 6
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (2)
- Elective Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 *
- [General Education](#) Credits: 3
- Elective Credits: 4-6

Total Credits: 13-15

Sequence Notes:

*POLI105 or POLI115 strongly recommended.

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

(2) A minimum of 9 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name CRJUS - PLO 1	Outcome Identify occupational opportunities in the three sub-systems of the criminal justice system.
Name CRJUS - PLO 2	Outcome Analyze the constitutional rights and court decisions most important to the criminal justice system.

Name CRJUS - PLO 3	Outcome Analyze the structure of the New Jersey and the United States court systems.
Name CRJUS - PLO 4	Outcome Critique the important decision points in the criminal justice process.
Name CRJUS - PLO 5	Outcome Construct their own personal views on controversial issues raised about the American justice system.
Name CRJUS - PLO 6	Outcome Examine the issues of professional responsibility and ethical standards in the criminal justice system.

CSLANA - LAN/WAN Certification of Achievement

General

Program Title
LAN/WAN Certification of Achievement

Program Code
CSLANA

Program Description
This certificate prepares students to take the CCENT and/or CCNA certification exams.

Graduates of this program will be able to:
This certificate prepares students to take the CCENT and/or CCNA certification exams.

Requirements

Requirements

Career Studies: 15 Credits as Follows:

- [NETW151 Router Internetworking/CCNA](#) -Router Internetworking/ CCNA Credits: 6 * (1)
- [NETW152 Virtual LANs and WANs/CCNA](#) - Virtual LANs and WANs/ CCNA Credits: 6 ** (2)
- [NETW253 Juniper Network Routers](#) -Juniper Network Routers Credits: 3

Total Credits: 15

Notes:

*Offered Fall Term only

** Offered Spring Term only

(1) After successful completion of NETW151, students will be prepared to take the CCENT certification exam.

(2) After successful completion of NETW151 and NETW152, the student will have learned all the material, and configured CISCO routers and switches in preparation for taking the CCNA certification exam.

Program Learning Outcomes

Name CSLANA - PLO 1	Outcome This certificate prepares students to take the CCENT and/or CCNA certification exams.

CSREPA - Computer Repair Certificate of Achievement

General

Program Title

Computer Repair Certificate of Achievement

Program Code

CSREPA

Program Description

The certificate prepares students for the A+ certification.

Graduates of this program will be able to:

- At the conclusion, students can sit for A+ certification.

Requirements

Requirements

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [NETW106 Intro to Networking TCP/IP](#) - Introduction to Networking TCP/IP Credits: 3
- [NETW107 Introduction to Security](#) - Introduction to Security Credits: 3 *
- [NETW125 Introduction to Wireless](#) - Introduction to Wireless Credits: 3 **
- [NETW190 MCTS Guide to Windows 7](#) - MCTS Guide to Microsoft Windows 7 Credits: 3 *
- [NETW191 MCSE Windows 2008 Server](#) - MCSE - Managing and Maintaining a Microsoft Windows Server 2208 Environment Credits: 3 **
- [NETW243 Computer Repair & Maintenance](#) - Computer Repair & Maintenance Credits: 3

Total Credits: 18

Notes:

* Offered Fall term only

** Offered Spring term only

Program Learning Outcomes

Name	Outcome
CSREPA - PLO 1	- At the conclusion, students can sit for A+ certification.

CSWEBC - Webmaster Administration, Academic Credit Certificate

General

Program Title

Webmaster Administration, Academic Credit Certificate

Program Code

CSWEBC

Program Description

Students wishing to gain a technical proficiency and expertise in planning, developing, implementing and maintaining web sites should choose this certificate program. Upon completion of the certificate coursework students will be prepared to enter the webmaster administration field.

Graduates of this program will be able to:

- Plan and develop interactive web sites
- Enable access to databases
- Efficiently use HTML, XML and web site development tools
- Enhance web sites through scripting and programming

Requirements

Requirements

General Education: 6 credits

- Required: [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- Recommended: [COMP129 Information Technology](#) - Information Technology Credits: 3

Career Studies: 24 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [COMP140 Designing/Developing Web Sites](#) - Designing/Developing Web Sites Credits: 3
- [COMP145 Introduction to UNIX](#) - Introduction to UNIX Credits: 3
- [COMP166 WEB Design Using HTML](#) - WEB Design Using HTML Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3
- [COMP267 - Missing course](#) - Client Side Using JavaScript Credits: 3 *
- [COMP268 - Missing course](#) - Server Side Scripting Credits: 3 *
- [COMP269 Database Concepts](#) - Database Concepts Credits: 3 *

Total Credits: 30

Note:

*Offered Fall Term only

CULAR - Culinary Arts Program, A.A.S.

General

Program Title

Culinary Arts Program, A.A.S.

Program Code

CULAR

Program Description

This program is for the highly motivated career-oriented person who desires to work in a restaurant or other food service establishment as a professional chef. This fast-track, quality training program combines general education studies, career courses and hands-on professional food preparation. Potential employment opportunities exist in food preparation and supervisory positions in restaurants, food catering services, and institutional food services in schools, colleges, hospitals, nursing homes, and business establishment facilities. Prospective students must take the College Placement Test prior to entering the program. Culinary Courses will run in three-week blocks each semester. Classes are conducted Monday through Thursday, allowing the student the weekend to pursue job opportunities in the field. Challenging externship experiences will be custom-matched to the student's individual career goals. Students have been successfully placed in local restaurants and hotels as well as in Atlantic City and in exciting externships at Disney World and other locations internationally. A mid program assessment will be administered at the end of the students' first year preceding CULA 299. Students must successfully pass the SERV-SAFE sanitation examination to receive the degree.

Graduates of this program will be able to:

- Demonstrate a working knowledge of the science of food and of the history of the culinary profession
- Apply computation skills pertinent to the culinary industry
- Demonstrate advanced cooking and baking techniques
- Demonstrate both customer service and management techniques
- Apply the standards of sanitation and safety that have been attained upon successful completion of the National Restaurant Association's Serv-Safe Certification

Requirements

Requirements

General Education: 20-21 Credits

As described in the [General Education](#) section of the catalog and as indicated below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Communications](#) Credits: 3
 - Recommended
 - [SPCH115 Public Speaking](#) - Public Speaking
- [Humanities or Social Sciences](#) Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [ENVR108 Principles of Sustainability](#) - Principles of Sustainability Credits: 3
- Any [General Education](#) Credits: 6
 - Recommended
 - [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and the Process Credits: 3

Career Studies: 40 Credits as Follows:

A grade of "C" or higher is required in all career studies courses.

- [CULA116 Intro to Culinary Principles](#) - Introduction to Culinary Principles Credits: 2
- [CULA114 Culinary Math and Purchasing](#) - Culinary Math and Purchasing Credits: 3
- [CULA111 Basic Food Skills I](#) - Basic Food Skills I Credits: 3
- [CULA112 Basic Food Skills II](#) - Basic Food Skills II Credits: 3
- [CULA145 Kitchen Production](#) - Kitchen Production Credits: 3
- [CULA131 Nutrition in the Culinary Arts](#) - Nutrition in the Culinary Arts Credits: 3
- [CULA141 Dining Room I](#) - Dining Room I Credits: 2
- [CULA151 Baking Skills I](#) - Baking Skills I Credits: 3
- [CULA251 Patisserie](#) - Patisserie Credits: 3
- [CULA266 Meat and Seafood Science](#) - Meat and Seafood Science Credits: 3
- [CULA243 Advanced Dining Room](#) - Advanced Dining Room Credits: 3
- [CULA145 Kitchen Production](#) - Advanced Kitchen Production Credits: 3
- [CULA275 International Regional Cuisine](#) - International Regional Cuisine Credits: 3
- [CULA299 Externship Not a Course](#) - Externship - Culinary Arts Credits: 3

Total Credits Required for Degree: 60-61

Note:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [CULA116 Intro to Culinary Principles](#) - Introduction to Culinary Principles Credits: 2
- [CULA114 Culinary Math and Purchasing](#) - Culinary Math and Purchasing Credits: 3
- [CULA111 Basic Food Skills I](#) - Basic Food Skills I Credits: 3
- [CULA112 Basic Food Skills II](#) - Basic Food Skills II Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3

Total Credits: 14

Semester 2: Spring Term

- [CULA145 Kitchen Production](#) - Kitchen Production Credits: 3
- [CULA141 Dining Room I](#) - Dining Room I Credits: 2
- [CULA131 Nutrition in the Culinary Arts](#) - Nutrition in the Culinary Arts Credits: 3

- CULA151 Baking Skills I - Baking Skills I Credits: 3
- Communications Credits: 3

Total Credits: 14

Summer

CULA299 Externship Not a Course - Externship - Culinary Arts Credits: 3

Semester 3: Fall Term

- CULA251 Patisserie - Patisserie Credits: 3
- CULA266 Meat and Seafood Science - Meat and Seafood Science Credits: 3
- CULA275 International Regional Cuisine - International Regional Cuisine Credits: 3
- COMP129 Information Technology - Information Technology Credits: 3
- ENVR108 Principles of Sustainability - Principles of Sustainability Credits: 3

Total Credits: 14

Semester 4: Spring Term

- CULA245 Advanced Kitchen Production - Advanced Kitchen Production Credits: 3
- CULA243 Advanced Dining Room - Advanced Dining Room Credits: 3
- Humanities or Social Sciences Credits: 3
- General Education Credits: 5

Total Credits: 15

Name
CULAR - PLO 5

Outcome
Apply the standards of sanitation and safety that have been attained upon successful completion of the National Restaurant Association's Serv-Safe Certification.

Program Learning Outcomes

Name CULAR - PLO 1	Outcome Demonstrate a working knowledge of the science of food and of the history of the culinary profession.
Name CULAR - PLO 2	Outcome Apply computation skills pertinent to the culinary industry.
Name CULAR - PLO 3	Outcome Demonstrate advanced cooking and baking techniques.
Name CULAR - PLO 4	Outcome Demonstrate both customer service and management techniques.

CULCAC - Culinary Arts Academic Credit Certificate

General

Program Title

Culinary Arts Academic Credit Certificate

Program Code

CULCAC

Program Description

This condensed program of study provides the student with skills needed to perform a variety of basic food preparation activities required by the entry-level food service job. The student must successfully pass the SERV-SAFE sanitation examination to receive the certificate. Most credits earned may be applied to the A.A.S. degree. Upon completion, students are awarded a Certificate of Proficiency. A grade of "C" or better in all career courses is required to receive the Culinary Arts Academic Credit Certificate.

Graduates of this program will be able to:

- Demonstrate a working knowledge of the science of food and of the history of the culinary profession
- Apply computation skills pertinent to the culinary industry
- Demonstrate basic cooking and baking techniques
- Apply the standards of sanitation and safety that have been attained upon successful completion of the National Restaurant Association's Serv-Safe Certification

Requirements

Requirements

General Education: 6 credits

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENVR108 Principles of Sustainability](#) - Principles of Sustainability Credits: 3

Career Studies: 25 credits as follows:

A grade of "C" or higher is required in career studies courses.

- [CULA116 Intro to Culinary Principles](#) - Introduction to Culinary Principles Credits: 2
- [CULA114 Culinary Math and Purchasing](#) - Culinary Math and Purchasing Credits: 3
- [CULA111 Basic Food Skills I](#) - Basic Food Skills I Credits: 3
- [CULA112 Basic Food Skills II](#) - Basic Food Skills II Credits: 3
- [CULA145 Kitchen Production](#) - Kitchen Production Credits: 3
- [CULA131 Nutrition in the Culinary Arts](#) - Nutrition in the Culinary Arts Credits: 3
- [CULA141 Dining Room I](#) - Dining Room I Credits: 2
- [CULA151 Baking Skills I](#) - Baking Skills I Credits: 3
- [CULA266 Meat and Seafood Science](#) - Meat and Seafood Credits: 3

Total Credits: 31

Notes:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

Program Learning Outcomes

Name CULCAC - PLO 1	Outcome Demonstrate a working knowledge of the science of food and of the history of the culinary profession.
Name CULCAC - PLO 2	Outcome Apply computation skills pertinent to the culinary industry.
Name CULCAC - PLO 3	Outcome Demonstrate basic cooking and baking techniques.
Name CULCAC - PLO 4	Outcome Apply the standards of sanitation and safety that have been attained upon successful completion of the National Restaurant Association's Serv-Safe Certification.

CUPSTC - Pastry Arts Academic Credit Certificate

General

Program Title

Pastry Arts Academic Credit Certificate

Program Code

CUPSTC

Program Description

This option is designed for the culinary student who wants to pursue a career in pastry arts. This program consists of select credits that would benefit the individual who wants to develop their pastry skills into more advanced and elaborate patisserie, cakes, confections, and decorating. The student must pass the SERV-SAFE sanitation examination to receive the certificate. Students must take 22.5 career credits as follows and six general education credits, plus 2 elective credits. A grade of "C" or better in all career courses is required to receive the Pastry Arts Academic Credit Certificate.

Graduates of this program will be able to:

- Demonstrate a working knowledge of the history of the culinary profession
- Apply computation skills pertinent to the culinary industry
- Demonstrate advanced baking techniques
- Apply the standards of sanitation and safety that have been attained upon successful completion of the National Restaurant Association's Serv-Safe Certification

Requirements

Requirements

General Education: 6 credits

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENVR108 Principles of Sustainability](#) - Principles of Sustainability Credits: 3

Career Studies: 26 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [CULA116 Intro to Culinary Principles](#) - Introduction to Culinary Principles Credits: 2
- [CULA114 Culinary Math and Purchasing](#) - Culinary Math and Purchasing Credits: 3
- [CULA151 Baking Skills I](#) - Baking Skills I Credits: 3
- [CULA251 Patisserie](#) - Patisserie Credits: 3
- [CULA252 Advanced Baking Skills](#) - Advanced Baking Skills Credits: 3
- [CULA253 Advanced Patisserie](#) - Advanced Patisserie Credits: 3
- [CULA255 Advanced Pastry Arts](#) - Advanced Pastry Arts Credits: 3
- [CULA256 Confectionary and Showpieces](#) - Confectionary and Showpieces Credits: 3
- [HESC115 Nutrition and Health](#) - Nutrition and Health Credits: 3 **or** [CULA131 Nutrition in the Culinary Arts](#) - Nutrition in the Culinary Arts Credits: 3

Total Credits: 32

Program Learning Outcomes

Name CUPSTC - PLO 1	Outcome Demonstrate a working knowledge of the history of the culinary profession.
Name CUPSTC - PLO 2	Outcome Apply computation skills pertinent to the culinary industry.
Name CUPSTC - PLO 3	Outcome Demonstrate advanced baking techniques.
Name CUPSTC - PLO 4	Outcome Apply the standards of sanitation and safety that have been attained upon successful completion of the National Restaurant Association's Serv-Safe Certification.

CYBSEC - Cybersecurity, Academic Credit Certificate of Achievement

General

Program Title

Cybersecurity, Academic Credit Certificate of Achievement

Program Code

CYBSEC

Program Description

This short program is intended to train students in the high-demand area of Cybersecurity. The target audience for this certificate of achievement includes professionals already working in IT that are hoping to add security skills and knowledge to their education, as well as recent Brookdale graduates seeking to build upon their Networking Information Technology, A.A.S. degree. The certificate is designed to provide students with a broad understanding of network and computer security combined with depth of study in the domains of penetration testing, digital forensics, and secure configuration.

Graduates of this program will be able to:

- Employ digital forensic methodology and labs to collect, seize, analyze and protect digital evidence
- Assess, manage and monitor command perimeter security technologies such as firewalls and VPNs
- Analyze systems and networks using common information gathering tools and techniques
- Perform incident handling by using appropriate methods

Requirements

Requirements

Career Studies: 12-18 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [NETW106 Intro to Networking TCP/IP](#) - Introduction to Networking TCP/IP Credits: 3 (1)
- [NETW110 Intro to UNIX Network Admin](#) - Introduction to UNIX Network Admin Credits: 3 (1) *
- [NETW107 Introduction to Security](#) - Introduction to Security Credits: 3 *
- [NETW236 Computer Forensics & Investiga](#) - Computer Forensics & Investigation Credits: 3 **
- [NETW237 Perimeter Security](#) - Perimeter Security Credits: 3 **
- [NETW238 Hacker Tech, Tools & Incident](#) - Hacker Techniques, Tools, and Incident Handling Credits: 3 *

Total Credits: 12-18

Notes:

(1) NETW106 and NETW110 provide foundational skills for the certificate and are required prerequisites for NETW236. Students who can demonstrate the requisite networking skills and/or certifications may be waived from these two courses.

* Offered Fall Term only

** Offered Spring Term only

Program Learning Outcomes

Name CYBSEC - PLO 1	Outcome Employ digital forensic methodology and labs to collect, seize, analyze and protect digital evidence.
Name CYBSEC - PLO 2	Outcome Assess, manage and monitor command perimeter security technologies such as firewalls and VPNs.
Name CYBSEC - PLO 3	Outcome Analyze systems and networks using common information gathering tools and techniques.
Name CYBSEC - PLO 4	Outcome Perform incident handling by using appropriate methods.

DDIDAA - Digital Drawing for Int Design & Archit, Cert of Achievement

General

Program Title

Digital Drawing for Int Design & Archit, Cert of Achievement

Program Code

DDIDAA

Program Description

Today's graphic communications depend on computers for nearly all steps in the creative process. This certificate is a comprehensive CAD curriculum, from fundamental to complete customization, including 3D design and visualization. The courses are designed to enable graduates of Architecture and Interior Design programs along with professionals to remain current in the marketplace.

Graduates of this program will be able to:

- Utilize design principles to develop digital drawings for Architecture and Interior Design
- Create and plot architectural drawings using a variety of computer-aided drafting software programs
- Apply the concepts of 3D and modeling in CADD (Computer Aided Design and Drafting) and BIM (Building Information Modeling) technology

Requirements

Requirements

Career Studies: 15 Credits as Follows:

- [GRPH120 Design for Digital Media](#) - Introduction to Digital Media Credits: 3
- [INTD152 Drafting&Grphic Pres for ID](#) - Drafting and Graphic Presentation for Interior Design Credits: 3
- [INTD153 Drawing Tech in Digital Media](#) - Drawing Techniques in Digital Media Credits: 3 or [INTD252 Fundamentals Construction Doc](#) - Fundamentals of Construction Documents Credits: 3
- [INTD225 3D Architectural CAD](#) - 3D Architectural CAD Credits: 3 (ARCH225 - 3D Architectural CAD Credits: 3)
- [INTD251 CAD for Interior Design](#) - CAD for Interior Design Credits: 3

Total Credits: 15

Suggested Sequence

The following is an example of how this certificate can be completed. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites. The sequence presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [INTD152 Drafting&Grphic Pres for ID](#) - Drafting and Graphic Presentation for Interior Design Credits: 3
- [GRPH120 Design for Digital Media](#) - Introduction to Digital Media Credits: 3

Semester 2: Spring Term

- [INTD153 Drawing Tech in Digital Media](#) - Drawing Techniques in Digital Media Credits: 3
- [INTD251 CAD for Interior Design](#) - CAD for Interior Design Credits: 3

Summer Term

- [INTD225 3D Architectural CAD](#) - 3D Architectural CAD (ARCH225 - 3D Architectural CAD) Credits: 3

Program Learning Outcomes

Name DDIDAA - PLO 1	Outcome Utilize design principles to develop digital drawings for Architecture and Interior Design.
Name DDIDAA - PLO 2	Outcome Create and plot architectural drawings using a variety of computer-aided drafting software programs.
Name DDIDAA - PLO 3	Outcome Apply the concepts of 3D and modeling in CADD (Computer Aided Design and Drafting) and BIM (Building Information Modeling) technology.

DIAD - Digital Animation and 3D Design Program, A.A.S.

General

Program Title

Digital Animation and 3D Design Program, A.A.S.

Program Code

DIAD

Program Description

Students graduating with the Digital Animation and 3D Design AAS degree will have developed skills in modeling, editing, rendering and storyboarding. They will have gained command of the basic technical skills required in today's highly competitive animation industry. Students will complete courses that provide them with technical skills and aesthetic proficiency. This program is designed to prepare students for entry level positions in digital animation.

Graduates of this program will be able to:

- Engage in the reiterative process of rendering movies and reflect on what is required to successfully complete this task
- Utilize the principles of workflow and file management as related to the animation industry
- Understand the principles of compositing and editing
- Create geometry for characters, props, and backgrounds
- Create materials and lights for characters and scenes
- Create animations for objects, characters, and effects

Requirements

Requirements

General Education: 20 Credits *

*Students can attain 20 credits by taking two 4-credit courses and four 3-credit courses.

As described in the [General Education](#) section of the catalog. The following courses are required:

- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 *
- Any [General Education](#) Credits: 8

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 40 Credits as Follows:

- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [ARTS213 Figure Drawing](#) - Figure Drawing Credits: 3
- [DIGM115 Digital Editing: After Effects](#) - Digital Editing: After Effects Credits: 3
- [DIGM116 Prod & Storyboardng: Photoshop](#) - Production & Storyboarding: Photoshop Credits: 3
- [DIGM121 3D Modeling](#) - Maya I: 3D Modeling Credits: 3

- [DIGM122 Maya II: Fundamentals](#) - Maya II: Fundamentals Credits: 3
- [DIGM125 Composite](#) - Digital Editing: Composite Credits: 3
- [DIGM126 Digital Modeling: ZBrush](#) - Digital Modeling: ZBrush Credits: 3
- [DIGM221 Maya III: Rendering](#) - Maya III: Rendering Credits: 3
- [DIGM222 Maya IV: Adv Modeling & Riggi](#) - Maya IV: Advanced Modeling and Character Rigging Credits: 3
- [DIGM235 Pre-Visualization & Career Dev](#) - Previsualization & Career Development Credits: 1
- [DIGM298 Design and Production Capstone](#) - Design and Production Capstone Credits: 3
- [DGMD101 Introduction to Digital Media](#) - Introduction to Digital Media Credits: 3
- [TELV122 Digital Video Production](#) - Digital Video Production Credits: 3

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [DGMD101 Introduction to Digital Media](#) - Introduction to Digital Media Credits: 3
- [DIGM115 Digital Editing: After Effects](#) - Digital Editing: After Effects Credits: 3
- [DIGM116 Prod & Storyboardng: Photoshop](#) - Production & Storyboarding: Photoshop Credits: 3
- [DIGM121 3D Modeling](#) - Maya 1: 3D Modeling Credits: 3
- [ARTS111 Drawing I](#) - Drawing I Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [DIGM122 Maya II: Fundamentals](#) - Maya II: Fundamentals Credits: 3
- [DIGM126 Digital Modeling: ZBrush](#) - Digital Modeling: ZBrush Credits: 3
- [ARTS213 Figure Drawing](#) - Figure Drawing Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [General Education](#) Credits: 4

Total Credits: 16

Semester 3: Fall Term

- [DIGM221 Maya III: Rendering](#) - Maya III: Rendering Credits: 3
- [DIGM125 Composite](#) - Digital Editing: Composite Credits: 3
- [DIGM235 Pre-Visualization & Career Dev](#) - Previsualization & Career Development Credits: 1
- [TELV122 Digital Video Production](#) - Digital Video Production Credits: 3

- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research [or](#) [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [DIGM222 Maya IV: Adv Modeling & Riggi](#) - Maya IV: Advanced Modeling & Character Rigging Credits: 3
- [DIGM298 Design and Production Capstone](#) - Design and Production Capstone Credits: 3
- [Humanities](#) [or](#) [Social Sciences](#) Credits: 3 (1)
- [General Education](#) Credits: 4

Total Credits: 13

Sequence Note:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name DIAD - PLO 1	Outcome Engage in the reiterative process of rendering movies and reflect on what is required to successfully complete this task.
Name DIAD - PLO 2	Outcome Utilize the principles of workflow and file management as related to the animation industry.
Name DIAD - PLO 3	Outcome Understand the principles of compositing and editing.
Name DIAD - PLO 4	Outcome Create geometry for characters, props, and backgrounds.
Name DIAD - PLO 5	Outcome Create materials and lights for characters and scenes.
Name DIAD - PLO 6	Outcome Create animations for objects, characters, and effects.

EDAS - Education Program, A.S.

General

Program Title

Education Program, A.S.

Program Code

EDAS

Program Description

The Education AS program is designed to meet current program needs for students wishing to prepare to teach in STEM areas. The STEM choices typically employable at the K-12 teaching environments are as follows: mathematics, biology, physics, chemistry, environmental sciences and technology. The objective of the AS degree is to prepare students for teaching licensing in their STEM area of choice. This program provides students the opportunity to select STEM courses in a specific subject matter along with education courses to prepare to transfer to the college of education of choice. Currently, the College's Education AA degree prepares students to enter into the liberal arts or humanities as subject majors within the College of Education at the four year higher education institution.

Graduates of this program will be able to:

- Develop deeper knowledge of content area concepts, principles, and applications that can be applied to content area knowledge and skills when making pedagogical decisions.
- Advance an understanding of school culture and structure; the teacher's role in the classroom with an emphasis on lesson management and other pedagogical decisions and a sense of how teacher literacy practices effect learning.
- Gain an understanding of the relationships shared with children and families within the community to include cultural diversity, values awareness and communication processes.
- Successfully complete an Education lab experience for 60 hours of volunteer and observation in STEM settings within K-12 districts (public, charter or private) before the end of their sophomore year in order to meet degree and teacher licensing requirements.

Requirements

Requirements

General Education: 31-33 Credits

As described in the General Education section of the catalog and as identified below.

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Science](#) with lab Credits: 4-5
 - The following are required based on STEM concentration:
 - [BIOL101 General Biology I](#) - General Biology I Credits: 4 [or](#) [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5 [or](#) [PHYS121 General Physics I](#) - General Physics I Credits: 4 *
 - Technology Concentration students may take any General Education Lab Science course

- Mathematics Credits: 3-4
 - Recommended:
 - MATH153 Pre-Calculus Mathematics - Pre-Calculus Mathematics Credits: 4 or higher
- COMP126 Computer Logic and Design - Computer Logic and Design or COMP129 Information Technology - Information Technology Credits: 3
- Social Sciences Credits: 6
 - Recommended:
 - PSYC105 Intro to Psychology I - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3
 - PSYC206 Human Growth and Development I - Human Growth and Development I Credits: 3
- Humanities Credits: 3
 - Recommended:
 - PHIL227 Introduction to Ethics - Introduction to Ethics Credits: 3
- General Education Credits: 6
 - Recommended:
 - GEOG115 Human Geography - Human Geography or SOCI105 Intercultural Communication - Intercultural Communication: The Person and The Process Credits: 3
 - SPCH115 Public Speaking - Public Speaking Credits: 3

Career Studies: 9 Credits as Follows:

- EDUC105 Introduction to Education - Introduction to Education or EDEC105 Early Education Foundations - Foundations of Early Childhood Education Credits: 3
- EDUC199 Education Field Experience - Education Field Experience or EDEC199 Early Education Field Exper - Early Childhood Education Field Experience Credits: 0 *
- EDUC217 Inclusive & Special Education - Introduction to the Exceptional Child Credits: 3
- PSYC218 Educational Psychology - Educational Psychology Credits: 3

Career Studies: 13-17 Credits From Among One of the Following Concentrations:

- Biology Concentration: 14 Credits
 - BIOL102 General Biology II - General Biology II Credits: 4
 - CHEM101 General Chemistry I - General Chemistry I Credits: 5
 - CHEM102 General Chemistry II - General Chemistry II Credits: 5
- Chemistry Concentration: 13 Credits
 - CHEM102 General Chemistry II - General Chemistry II Credits: 5
 - MATH171 Calculus I - Calculus I Credits: 4

- MATH172 Calculus II - Calculus II Credits: 4
- Environmental Science Concentration: 16-17 Credits
 - BIOL102 General Biology II - General Biology II Credits: 4 or CHEM102 General Chemistry II - General Chemistry II Credits: 5
 - ENVR107 Environmental Science - Environmental Science Credits: 4
 - Additional 8 credits from among the following:
 - ENVR111 Oceanography - Oceanography Credits: 4
 - ENVR127 Meterology - Meteorology Credits: 4
 - ENVR130 Physical Geology - Physical Geology Credits: 4
- Mathematics Concentration: 16 Credits
 - MATH171 Calculus I - Calculus I Credits: 4
 - MATH172 Calculus II - Calculus II Credits: 4
 - MATH273 Calculus III - Calculus III Credits: 4
 - PHYS122 General Physics II - General Physics II Credits: 4 **
- Physics Concentration: 16 Credits
 - MATH171 Calculus I - Calculus I Credits: 4
 - MATH172 Calculus II - Calculus II Credits: 4
 - PHYS122 General Physics II - General Physics II Credits: 4
 - PHYS223 Gen Physics III - General Physics III Credits: 4
- Technology Education Concentration: 16 Credits
 - ARCH121 People and Their Environment - People and Their Environment Credits: 3
 - ARCH131 Introduction to Design I - Introduction to Design I Credits: 5
 - ENGL121 English Comp: Writing Process - Engineering Graphics with CAD Credits: 2
 - Additional 6 credits from among the following:
 - PHTY111 Photography I - Film & Darkroom - Photography I: Film and Darkroom Credits: 3
 - PHTY120 Digital Photography I - Digital Photography I Credits: 3
 - GRPH120 Design for Digital Media - Introduction to Digital Media Design Credits: 3
 - ARTC147 Desktop Publishing I - Desktop Publishing I Credits: 3

Electives: 1-7 Credits

Total Credits Required for Degree: 60

Notes:

*EDEC 199/EDUC 199 - Students who have completed EDEC 105 or EDUC 105, with a grade of "B" or better, are required to complete 60 hours of observation in an approved academic setting to ensure transferability of EDEC 105 or EDUC 105 to a four-year institution.

EDEC 199/EDUC 199 is required for licensing and acceptance into university Education programs. The Education Department at Brookdale highly recommends that the field experience be taken while at Brookdale for students wishing to transfer into Teacher Education programs at the university level and for Teacher licensing requirements.

**Physics is highly recommended. May substitute PHYS 121/PHYS 122 with BIOL 101/BIOL 102 or CHEM 101/CHEM 102.

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [EDUC105 Introduction to Education](#) - Introduction to Education or [EDEC105 Early Education Foundations](#) - Foundations of Early Childhood Education Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [3c1904cd-1e03-4592-945f-7f247c751c35 - Missing course](#) - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3
- [Mathematics](#) Credits: 3-4
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design or [COMP129 Information Technology](#) - Information Technology Credits: 3

Total Credits: 15-16

Semester 2: Spring Term

- [EDUC199 Education Field Experience](#) - Education Field Experience or [EDEC199 Early Education Field Exper](#) - Early Childhood Education Field Experience Credits: 0
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [PSYC206 Human Growth and Development I](#) - Human Growth and Development I Credits: 3
- [Science](#) with lab Credits: 4-5
- Career Studies Credits: 3-5
- [GEOG115 Human Geography](#) - Human Geography or [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process Credits: 3

Total Credits: 16-19

Summer

- Career Studies Credits: 0-5

Semester 3: Fall Term

- Career Studies Credits: 3-4
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [PSYC218 Educational Psychology](#) - Education Psychology Credits: 3
- Elective Credits: 0-4

Total Credits: 9-14

Semester 4: Spring Term

- [EDUC217 Inclusive & Special Education](#) - Introduction to the Exceptional Child Credits: 3
- [PHIL227 Introduction to Ethics](#) - Introduction to Ethics Credits: 3
- Career Studies Credits: 3-4
- Elective Credits: 1-3

Total Credits: 10-13

Program Learning Outcomes

Name EDAS - PLO 1	Outcome Develop deeper knowledge of content area concepts, principles, and applications that can be applied to content area knowledge and skills when making pedagogical decisions.
Name EDAS - PLO 2	Outcome Advance an understanding of school culture and structure; the teacher's role in the classroom with an emphasis on lesson management and other pedagogical decisions and a sense of how teacher literacy practices effect learning.
Name EDAS - PLO 3	Outcome Gain an understanding of the relationships shared with children and families within the community to include cultural diversity, values awareness and communication processes.
Name EDAS - PLO 4	Outcome Successfully complete an Education lab experience for 60 hours of volunteer and observation in STEM settings within K-12 districts (public, charter or private) before the end of their sophomore year in order to meet degree and teacher licensing requirements.

EDEC - Education Program, Early Childhood Education Option, A.A.

General

Program Title

Education Program, Early Childhood Education Option, A.A.

Program Code

EDEC

Program Description

This option prepares students for transfer to four-year institutions to pursue Preschool through Third Grade P-3 teaching certification. In addition, many courses prove relevant to the needs of parents and professionals from other fields. Students in this option take courses in education with required field experience, coupled with general education studies required for successful transfer.

Students are introduced to: the variety of early childhood education programs and constructs, inclusion education, teaching the exceptional child, emergent and early academic literacies, mathematics literacies and practices, diversity in early childhood education, play-based instruction, and professional opportunities in early childhood education. Students explore early childhood professional opportunities in business and industry. The courses offered in this option need to be taken in consultation with a College counselor.

Graduates of this program will be able to:

- Recognize, analyze, and evaluate the roles and characteristics of the successful classroom teacher including:
 - Skill in classroom management
 - Sensitivity to diversity and special needs of young children
 - Use of appropriate teaching and learning strategies in play-based and academic-based settings
 - Promotion of integrated literacy [language development and English literacies, Mathematics literacies]
 - Mastery of subject matter
 - Knowledge of child growth and development as applied to a variety of theoretical and philosophical perspectives
 - Appreciation of ongoing professional development
- Demonstrate an understanding of the essential components of teaching and learning processes as they are articulated in diverse early childhood educational settings.
- Think critically to analyze and evaluate cultural, societal and historical influences that affect early childhood education today.

Requirements

Requirements

General Education: 45 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [Communications](#) Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
 - Required:
 - [PHIL115 Introduction to Philosophy](#) - Introduction to Philosophy Credits: 3

- Recommended 6 credits:

- [HIST105 World Civilization I](#) - World Civilization I, [HIST106 World Civilization II](#) - World Civilization II or [HIST107 Contemporary World History](#) - Contemporary World History Credits: 3
- [ENGL245 American Literature I](#) - American Literature I Credits: 3
- [Humanities](#) - Any language course Credits: 3

- [Social Sciences](#) Credits: 6

- [PSYC206 Human Growth and Development I](#) - Human Growth and Development I (License requirement) Credits: 3
- Other [Social Sciences](#): Anthropology, Sociology, Psychology Credits: 3

- [Mathematics](#) Credits: 8

- [MATH131 Statistics](#) Statistics Credits: 4
- [MATH](#) Credits: 4

- [Science](#) (1 lab science course required) Credits: 4

- Recommended:

- [BIOL105 Life Sciences](#) - Life Sciences (with Lab, required for teacher licensing)
- Chemistry (with Lab, required for teacher licensing)
- Environmental Science (with Lab, required for teacher licensing)

- [Technological Competency](#) Credits: 3

- Recommended:

- [COMP129 Information Technology](#) Credits: 3

- [History](#) Credits: 3

- [HIST135 American Civilization I](#) - American Civilization Credits: 3

- [Cultural and Global Awareness](#) Credits: 3

- Recommended:

- [GEOG115 Human Geography](#) - Human Geography Credits: 3

Career Studies: 12 Credits as Follows:

- [EDEC105 Early Education Foundations](#) - Foundations of Early Childhood Education Credits: 3
- [EDEC199 Early Education Field Exper](#) - Early Childhood Education Field Experience Credits: 0 *
- [EDUC125 Global Competency in Education](#) - Global Competency in Education Credits: 3
- [EDEC200 Math Literacy and Development](#) - Math Literacy and Development Credits: 3
- [EDUC225 Literacy Develop/Instruct](#) - Literacy Development and Instruction Credits: 3

Career Studies: (In preparation for teacher licensure) 3 Credits As Follows:

- [EDUC217 Inclusive & Special Education](#) - Introduction to the Exceptional Child (Licensing requirement) Credits: 3

Total Credits Required for Degree: 60

Notes:

* Students who have completed EDEC 105 Foundations of Early Childhood Education, with a grade of B or better, are required to complete 60 hours of observation in an approved academic setting to ensure transferability of EDEC 105 to a four-year institution.

EDEC 199 is required for licensing and acceptance into university Education programs. The Education Department at Brookdale highly recommends that the field experience be taken while at Brookdale for students wishing to transfer into Teacher Education programs at the university level and for Teacher licensing requirements.

It is strongly recommended that no more than six Education credits be taken in the first two years for transfer.

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual’s program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- EDEC105 Early Education Foundations - Foundations of Early Childhood Education Credits: 3
- ENGL121 English Comp: Writing Process - English Composition: The Writing Process Credits: 3
- PSYC105 Intro to Psychology I - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3
- Humanities Credits: 3
- Mathematics Credits: 3-4 (1)

Total Credits: 15-16

Semester 2: Spring Term

- EDEC199 Early Education Field Exper - Early Childhood Education Field Experience Credits: 0
- Career Studies Credits: 3
- ENGL122 Engl Comp: Writing & Research - English Composition: Writing and Research Credits: 3
- PSYC206 Human Growth and Development I - Human Growth and Development I Credits: 3
- Humanities Credits: 3
- Mathematics or Science Credits: 3-4 (1)

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- Mathematics/Science/Technological Competency Credits: 3-4 (1)
- SPCH115 Public Speaking - Public Speaking Credits: 3
- Science (with lab) Credits: 4 (1)
- History Credits: 3

Total Credits: 16-17

Semester 4: Spring Term

- Cultural and Global Awareness Credits: 3

- Humanities Credits: 3
- History Credits: 3
- Career Studies Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Notes:

(1) A minimum of 12 credits is required from the Mathematics, Science or Technological Competency knowledge areas.

Program Learning Outcomes

Name EDEC - PLO 1	Outcome Recognize, analyze, and evaluate the roles and characteristics of the successful classroom teacher including: Skill in classroom management; Sensitivity to diversity and special needs of young children; Use of appropriate teaching and learning strategies in play-based and academic-based settings; Promotion of integrated literacy [language development and English literacies, Mathematics literacies]; Mastery of subject matter; Knowledge of child growth and development as applied to a variety of theoretical and philosophical perspectives; Appreciation of ongoing professional development
Name EDEC - PLO 2	Outcome Demonstrate an understanding of the essential components of teaching and learning processes as they are articulated in diverse early childhood educational settings.
Name EDEC - PLO 3	Outcome Think critically to analyze and evaluate cultural, societal and historical influences that affect early childhood education today.

EDIAS - Instructional Assistant, A.A.S

General

Program Title

Instructional Assistant, A.A.S

Program Code

EDIAS

Program Description

This program is designed for students who wish to enter the field of education in a support role of Instructional Assistant. Coursework completes classroom management training and program support concepts for employment opportunities in the New Jersey public or private school systems.

Graduates of this program will be able to:

- Demonstrate an understanding of the scope and importance of classroom management
- Recognize the importance of specific measurable goals and its relationship to lesson planning
- Understand the relationships shared by the teacher assistant and the various school team members
- Examine the integration of the literacy skills as part of the curriculum and school success
- Demonstrate effective interpersonal, and professional skills

Requirements

Requirements

General Education: 20-21 Credits

As described in the [General Education](#) section of the catalog.

The following General Education courses are required:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4 **or** [MATH136 Math for the Liberal Arts](#) - Mathematics for the Liberal Arts Credits: 3 *
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3
- Humanities Credits: 3
 - Students are required to select at least one of the following Humanities courses:
 - [ARTH105 Art Appreciation](#) - Art Appreciation Credits: 3
 - [MUSI115 History of Classical Music](#) - History of Classical Music Credits: 3
 - [THTR105 Theater Appreciation](#) - Theater Appreciation Credits: 3
- [General Education](#)- Any General Education course(s) Credits: 4-6

General Education Notes:

*Required for Praxis Core Exam

Career Studies: 18 Credits as Follows:

- [EDEC105 Early Education Foundations](#) - Foundations of Early Childhood Education (1) **or** [EDUC105 Introduction to Education](#) - Introduction to Education Credits: 3

- [EDEC199 Early Education Field Exper](#) - Early Childhood Field Experience (2) **or** [EDUC199 Education Field Experience](#) - Education Field Experience Credits: 0 (2)
- [EDUC216 Classroom Techniques](#) - Classroom Techniques Credits: 3
- [EDUC217 Inclusive & Special Education](#) - Introduction to the Exceptional Child Credits: 3
- [EDUC225 Literacy Develop/Instruct](#) - Literacy Development and Instruction Credits: 3
- [EDEC295 Special Proj. -Early Childhood](#) - Special Project - Early Childhood Education (1) **or** [EDUC295 Special Project - Education](#) - Special Project - Education Credits: 3
- [EDEC299 Early Childhood Internship](#) - Early Childhood Internship (1) **or** [EDUC299 Education Internship](#) - Education Internship Credits: 3

Notes:

(1) Students interested in early childhood should select EDEC courses

(2) Field experience is recommended. Students who have completed EDEC105 or EDUC105, with a grade of "B" or better, are required to complete 60 hours of observation in an approved academic setting to ensure transferability of EDEC105 or EDUC105 to a four-year institution. EDEC199/EDUC199 is required for licensing and acceptance into university Education programs. The Education Department of Brookdale highly recommends that the field experience be taken while at Brookdale for students wishing to transfer into Teacher Education programs at the university level and for Teaching licensing requirements.

Career Studies: 15 Credits as Follows:

- [PSYC206 Human Growth and Development I](#) - Human Growth and Development I Credits: 3
- [PSYC218 Educational Psychology](#) - Educational Psychology Credits: 3
- [SOC1101 Principles of Sociology](#) - Principles of Sociology Credits: 3 **or** [SOC1105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process Credits: 3
- [GEOG115 Human Geography](#) - Human Geography Credits: 3
- [PHIL227 Introduction to Ethics](#) - Introduction to Ethics Credits: 3

Elective: 6-7 Credits

It is recommended that students select courses that support their career goals and are transferable (consult your counselor)

- Recommended for Early Childhood Education students:
 - [ENGL265 Children's Literature](#) - Children's Literature Credits: 3 *

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [EDEC105 Early Education Foundations](#) - Foundations of Early Childhood Education **or** [EDUC105 Introduction to Education](#) - Introduction to Education Credits: 3

- ENGL121 English Comp: Writing Process - English Composition: The Writing Process Credits: 3
- MATH131 Statistics - Statistics Credits: 4 **or** MATH136 Math for the Liberal Arts - Mathematics for the Liberal Arts Credits: 3
- PSYC105 Intro to Psychology I - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3
- SOCI101 Principles of Sociology - Principles of Sociology **or** SOCI105 Intercultural Communication - Intercultural Communication: The Person and The Process Credits: 3

Total Credits: 15-16

Semester 2: Spring Term

- SPCH115 Public Speaking - Public Speaking Credits: 3
- EDUC216 Classroom Techniques - Classroom Techniques Credits: 3
- PSYC206 Human Growth and Development I - Human Growth and Development I Credits: 3
- EDUC225 Literacy Develop/Instruct - Literacy Development and Instruction Credits: 3
- ENGL265 Children's Literature - Children's Literature **or** Elective Credits: 3
- EDUC199 Education Field Experience - Education Field Experience **or** EDEC199 Early Education Field Exper - Early Childhood Education Field Experience Credits: 0

Total Credits: 15

Semester 3: Fall Term

- EDUC217 Inclusive & Special Education - Introduction to the Exceptional Child Credits: 3
- PSYC218 Educational Psychology - Educational Psychology Credits: 3
- Humanities Credits: 3
- General Education Credits: 3-4 (1)
- Elective Credits: 3-4

Total Credits: 15-17

Semester 4: Spring Term

- EDEC295 Special Proj. -Early Childhood - Special Project - Early Childhood Education **or** EDUC295 Special Project - Education - Special Project - Education Credits: 3
- EDEC299 Early Childhood Internship - Early Childhood Internship **or** EDUC299 Education Internship - Education Internship Credits: 3
- GEOG115 Human Geography - Human Geography Credits: 3
- PHIL227 Introduction to Ethics - Introduction to Ethics Credits: 3
- General Education Credits: 0-3 (1)

Total Credits: 12-15

Sequence Note:

(1) One course is recommended from the Cultural and Global Awareness knowledge area.

Program Learning Outcomes

Name EDIAS - PLO 1	Outcome Demonstrate an understanding of the scope and importance of classroom management.
Name EDIAS - PLO 2	Outcome Recognize the importance of specific measurable goals and its relationship to lesson planning.
Name EDIAS - PLO 3	Outcome Understand the relationships shared by the teacher assistant and the various school team members.
Name EDIAS - PLO 4	Outcome Examine the integration of the literacy skills as part of the curriculum and school success.
Name EDIAS - PLO 5	Outcome Demonstrate effective interpersonal, and professional skills.

EDUCE - Education, Elementary K-6 Option, A.A.

General

Program Title

Education, Elementary K-6 Option, A.A.

Program Code

EDUCE

Program Description

This option prepares students for transfer to four-year institutions to pursue an Elementary, Kindergarten- Grade 6 (K-6) teaching certification. In addition, many courses prove relevant to the needs of parents and professionals from other fields. Students in this option take courses in education theory and practice and field observations coupled with the general studies required for successful transfer.

Students are introduced to: foundations of education, organization and structure of schools systems, teaching the exceptional child, inclusion education, literacies: emergent and content areas, effective teaching techniques, and technology integration in teaching and learning. Students explore professional opportunities in business and industry. The courses offered in this option need to be taken in consultation with a College counselor.

Graduates of this program will be able to:

Demonstrate an understanding of the essential components of teaching and learning processes in academic settings as they are articulated by current trends and practices in diverse educational settings

- Recognize, analyze, and evaluate the roles and characteristics of the successful classroom teacher including:
 - Skill in classroom management
 - Cultural and global teacher competencies
 - Sensitivity to diversity and special needs of students: inclusive and general education
 - Use of appropriate learning strategies
 - Promotion of English literacies and Mathematics Literacies across the curriculum
 - Mastery of subject matter
 - Knowledge of child growth and development (birth through adolescence)
 - Appreciation of the importance of ongoing professional development
- Think critically to analyze and evaluate societal, cultural, and historical influences that affect education

Requirements

Elementary K- 6 A.A. Option Degree Requirements

General Education

42-45 Credits

As described in the General Education section of the catalog.

The following general education courses are required for this program:

- **Communications Credits: 9**
 - [ENGL121 English Comp: Writing Process](#) English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) Public Speaking Credits: 3
- **Humanities Credits: 9**

Recommended:

- [HIST105 World Civilization I](#), [HIST106 World Civilization II](#), or [HIST107 Contemporary World History](#) World Civilizations Credits: 3
- [ENGL245 American Literature I](#) American Literature I Credits: 3
- World Literature Credits: 3
- [PHIL115 Introduction to Philosophy](#) Introduction to Philosophy Credits: 3
- Any Language Course Credits: 3
- **Social Sciences Credits: 6**
 - [PSYC206 Human Growth and Development I](#) Human Growth and Development I (licencing requirement) Credits: 3
 - Social Science, Anthropology, Sociology, Psychology Credits: 3
- **Mathematics Credits: 8**
 - [MATH131 Statistics](#) Statistics Credits: 4
 - MATH Credits: 4

Science Credits: 4

Recommended:

- [BIOL105 Life Sciences](#) Life Sciences (with Lab, required for teacher licensing)
- Chemistry (with Lab, required for teacher licensing)
- Environmental Science (with Lab, required for teacher licensing)
- **History Credits: 3**
 - [HIST135 American Civilization I](#) American Civilization Credits: 3
- **Technology Credits: 0-3**

Recommended:

 - [COMP129 Information Technology](#) Credits: 3
- **Cultural and Global Awareness Credits: 3**

Recommended:

 - [GEOG115 Human Geography](#) Human Geography Credits: 3

Career Studies

- **Career Studies: 12 Credits as Follows:**
 - [EDUC105 Introduction to Education](#) Introduction to Education: 3 Credits
 - [EDUC199 Education Field Experience](#) Education Field Experience: 0 Credits*
 - [EDEC200 Math Literacy and Development](#) Mathematics Literacies and Development: 3 Credits
 - [EDUC217 Inclusive & Special Education](#) Inclusive and Special Education: 3 Credits

- [EDUC225 Literacy Develop/Instruct](#) Language and Literacy Instruction: 3 Credits
- **Career Studies: 3- 6 Credits From Among the Following:**
 - [EDUC125 Global Competency in Education](#) Global Competencies in Education OR EDUC 216 Classroom Techniques Credits: 3
 - [PSYC218 Educational Psychology](#) Educational Psychology (license requirement) Credits: 3

Total Credits Required for Degree: 60

Notes:

*EDUC199 - Students who have completed EDUC105 Introduction to Education, with a grade of B or better, are required to complete 60 hours of observation in an approved academic setting to ensure transferability of EDUC105 to a 4-year institution.

EDUC199 is required for licensing and acceptance into university Education programs. The Education Department at Brookdale highly recommends that the field experience be taken while at Brookdale for students wishing to transfer into Teacher Education programs at the university level and for Teacher licensing requirements.

Program Learning Outcomes

Name EDUCE - PLO 1	Outcome Demonstrate an understanding of the essential components of teaching and learning processes in academic settings as they are articulated by current trends and practices in diverse educational settings.
Name EDUCE - PLO 2	Outcome Recognize, analyze, and evaluate the roles and characteristics of the successful classroom teacher including: • Skill in classroom management • Cultural and global teacher competencies • Sensitivity to diversity and special needs of students: inclusive and general education • Use of appropriate learning strategies • Promotion of English literacies and Mathematics Literacies across the curriculum • Mastery of subject matter • Knowledge of child growth and development (birth through adolescence) • Appreciation of the importance of ongoing professional development
Name EDUCE - PLO 3	Outcome Think critically to analyze and evaluate societal, cultural, and historical influences that affect education.

EDUCM - Education, Middle School & Secondary Option, A.A.

General

Program Title
Education, Middle School & Secondary Option, A.A.

Program Code
EDUCM

Program Description
This option prepares students for transfer to four-year institutions to pursue a Middle School (K-6 with 5-8 subject-specific) or Secondary Education (K-12 subject-specific) teaching certifications. In addition, many courses prove relevant to the needs of parents and professionals from other fields. Students in this option take courses in education theory and practice, and field observations coupled with the general studies required for successful transfer.

Students are introduced to: the foundations of education, organization and structure of school systems, teaching the exceptional child, inclusion education, English Language literacies, Math literacies, emergent and concentration of content expertise, effective teaching techniques, Globally competent teaching and learning, and technology integration in teaching and learning. Students explore professional opportunities in business and industry. The courses offered in this option need to be taken in consultation with a College counselor.

- Graduates of this program will be able to:**
- Recognize, analyze, and evaluate the roles and characteristics of the successful classroom teacher including:
 - Skill in classroom management
 - Culture and global competencies
 - Sensitivity to diversity and students with disability needs in inclusive and general education
 - Use of appropriate teaching and learning strategies in academic-based settings
 - Promotion of integrated literacy [language development and English literacies, Mathematics literacies]
 - Mastery of subject matter
 - Knowledge of child growth and development as applied to a variety of theoretical and philosophical perspectives (birth through adolescence)
 - Appreciation of ongoing professional development
 - Demonstrate an understanding of the essential components of teaching and learning processes as the are articulated in diverse early childhood educational settings
 - Think critically to analyze and evaluate cultural, societal, and historical influences that affect early childhood education today.

Requirements

Middle School & Secondary A.A. Degree Requirements

General Education: 42 Credits

As described in the General Education section of the catalog

- **Communications Credits: 9**
 - [ENGL121 English Comp: Writing Process](#) English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) Public Speaking - Public Speaking Credits: 3
- **Humanities Credits: 6**

Recommended:

- [HIST105 World Civilization I](#), [HIST106 World Civilization II](#), or [HIST107 Contemporary World History](#) World Civilizations Credits: 3
- [ENGL245 American Literature I](#) American Literature I Credits: 3
- World Literature Credits: 3
- [PHIL115 Introduction to Philosophy](#) Introduction to Philosophy Credits: 3
- Any Language Course Credits: 3

• **Social Sciences Credits: 6**

- [PSYC206 Human Growth and Development I](#) Human Growth and Development I (licensing requirement) Credits: 3
- Social Science, Anthropology, Sociology, Psychology Credits: 3

• **Mathematics Credits: 8**

- [MATH131 Statistics](#) Statistics Credits: 4
- MATH Credits: 4

• **Science Credits: 4** (1 science lab course required)

Recommended:

- [BIOL105 Life Sciences](#) Life Sciences (with Lab, required for teacher licensing)
- Chemistry (with Lab, required for teacher licensing)
- Environmental Science (with Lab, required for teacher licensing)

• **History Credits: 3**

- [HIST135 American Civilization I](#) American Civilization Credits: 3

• **Technology Credits: 3**

Recommended:

- [COMP129 Information Technology](#) Credits: 3

• **Cultural and Global Awareness Credits: 3**

Recommended:

- [GEOG115 Human Geography](#) Human Geography Credits: 3

Career Studies

• **Career Core Courses: 15 Credits as Follows:**

- [EDUC105 Introduction to Education](#) Introduction to Education - Introduction to Education Credits: 3
- [EDUC199 Education Field Experience](#) Education Field Experience - Education Field Experience Credits: 0*
- [EDUC125 Global Competency in Education](#) Global Competencies in Education
- [EDUC216 Classroom Techniques](#) Classroom Techniques - Classroom Techniques Credits: 3
- [EDUC217 Inclusive & Special Education](#) Intro to Exceptional Child - Introduction to the Exceptional Child Credits: 3

- [EDUC225 Literacy Develop/Instruct](#) Literacy Develop/Instruct - Literacy Development and Instruction Credits: 3

• **Career Studies: 3 Credits From Among the Following:**

- [EDEC200 Math Literacy and Development](#) Mathematics Literacies and Development: 3 Credits
- [PSYC218 Educational Psychology](#) Educational Psychology - Educational Psychology Credits: 3

Total Credits Required for Degree: 60

Notes:

* EDUC199 - Students who have completed EDUC105 Introduction to Education, with a grade of B better, are required to complete 60 hours of observation in an approved academic setting to ensure transferability of EDUC105 to a 4-year institution.

EDUC199 is required for licensing and acceptance into university Education programs. The Education Department at Brookdale highly recommends that the field experience be taken while at Brookdale 1 students wishing to transfer into Teacher Education programs at the university level and for Teacher licensing requirements.

It is strongly recommended that no more than six Education credits be taken in the first two years for transfer.

Program Learning Outcomes

Name EDUCM - PLO 1	Outcome Recognize, analyze, and evaluate the roles and characteristics of the successful classroom teacher including: • Skill in classroom management • Culture and global competencies • Sensitivity to diversity and students with disability needs in inclusive and general education • Use of appropriate teaching and learning strategies in academic-based settings • Promotion of integrated literacy [language development and English literacies, Mathematics literacies] • Mastery of subject matter • Knowledge of child growth and development as applied to a variety of theoretical and philosophical perspectives (birth through adolescence) • Appreciation of ongoing professional development

Name EDUCM - PLO 2	Outcome Demonstrate an understanding of the essential components of teaching and learning processes as the are articulated in diverse early childhood educational settings.

Name EDUCM - PLO 3	Outcome Think critically to analyze and evaluate cultural, societal, and historical influences that affect early childhood education today.

ELCMP - Electronics Tech Program, Elect/Computer Tech Option, A.A.S

General

Program Title

Electronics Tech Program, Elect/Computer Tech Option, A.A.S

Program Code

ELCMP

Program Description

Computers and electronics have found their way into businesses and homes throughout the world. This option provides the student with the skills required to troubleshoot and repair a wide variety of computer systems and digital electronic equipment. The student learns how peripherals and computers communicate with each other. The proliferation of computer systems has created a demand for highly qualified individuals to install and maintain computer systems, peripherals, and networks.

Graduates of this program will be able to:

- Build, test, operate and maintain electrical systems
- Apply circuit analysis, problem solving and design, computer programming, analog and digital electronics, and microcomputers to the building, testing, operation, and maintenance of electrical/electronic(s) systems
- Apply scientific concepts to electrical/electronic(s) circuits in a rigorous mathematical environment at or above the level of algebra and trigonometry
- Work effectively in diverse teams and provide leadership to teams and organizations
- Communicate effectively in oral, graphic, and written form

Requirements

Requirements

General Education: 20 Credits

As described in the [General Education](#) section of the catalog.

- The following General Education course is required for students choosing this program:
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- The following General Education courses are recommended for students choosing this program:
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [HIST105 World Civilization I](#) - World Civilization I Credits: 3
 - [ECON107 Economics](#) - Economics Credits: 3
 - [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4
 - [PHYS108 Physics in Life](#) - Physics in Life Credits: 4

Career Studies: 40 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [COMP135 Comp. Architect-Assembly Lang.](#) -Computer Architecture Using Assembly Language Credits: 3
- [ELEC101 Comp. Aided Circuit Analysis](#) - Computer Aided Circuit Analysis Credits: 3

- [ELEC103 Elec. Skills and Techniques](#) - Electrical Skills and Techniques Credits: 4
- [ELEC111 Electrical Circuits I](#) - Electrical Circuits I Credits: 4 **
- [ELEC112 Electrical Circuits II](#) - Electrical Circuits II Credits: 4 *
- [ELEC225 Fund. of Analog Elec. Devices](#) - Fundamentals of Analog Electronic Devices Credits: 4 **
- [ELEC241 Intro Digital Circuits](#) - Introduction to Digital Circuits Credits: 4 *
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- [NETW106 Intro to Networking TCP/IP](#) - Introduction to Networking TCP/IP Credits: 3
- [NETW243 Computer Repair & Maintenance](#) - Computer Repair & Maintenance Credits: 3

Total Credits Required for Degree: 20

Notes:

*Offered in Fall Term only

**Offered in Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ELEC101 Comp. Aided Circuit Analysis](#) - Computer Aided Circuit Analysis Credits: 3
- [ELEC103 Elec. Skills and Techniques](#) - Electrical Skills and Techniques Credits: 4
- [HIST105 World Civilization I](#) - World Civilization I Credits: 3
- [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3

Total Credits: 17

Semester 2: Spring Term

- [ELEC111 Electrical Circuits I](#) - Electrical Circuits I Credits: 4
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4
- [PHYS108 Physics in Life](#) - Physics in Life Credits: 4
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3

Total Credits: 15

Semester 3: Fall Term

- [ELEC112 Electrical Circuits II](#) - Electrical Circuits II Credits: 4
- [NETW106 Intro to Networking TCP/IP](#) - Introduction to Networking TCP/IP Credits: 3

- [ELEC241 Intro Digital Circuits](#) - Introduction to Digital Circuits Credits: 4
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4

Total Credits: 15

Semester 4: Spring Term

- [COMP135 Comp. Architect-Assembly Lang.](#) - Computer Architecture Using Assembly Language Credits: 3
- [NETW243 Computer Repair & Maintenance](#) - Computer Repair & Maintenance Credits: 3
- [ELEC225 Fund. of Analog Elec. Devices](#) - Fundamentals of Analog Electronic Devices Credits: 4
- [ECON107 Economics](#) - Economics Credits: 3

Total Credits: 13

Program Learning Outcomes

Name ELCMP - PLO 1	Outcome Build, test, operate and maintain electrical systems.
Name ELCMP - PLO 2	Outcome Apply circuit analysis, problem solving and design, computer programming, analog and digital electronics, and microcomputers to the building, testing, operation, and maintenance of electrical/electronic(s) systems.
Name ELCMP - PLO 3	Outcome Apply scientific concepts to electrical/electronic(s) circuits in a rigorous mathematical environment at or above the level of algebra and trigonometry.
Name ELCMP - PLO 4	Outcome Work effectively in diverse teams and provide leadership to teams and organizations.
Name ELCMP - PLO 5	Outcome Communicate effectively in oral, graphic, and written form.

ELENG - Electronics Tech Program, Elect Engin Tech Option, A.A.S.

General

Program Title

Electronics Tech Program, Elect Engin Tech Option, A.A.S.

Program Code

ELENG

Program Description

This option is designed for transfer to colleges or universities offering a Bachelor of Science in Technology or a Bachelor of Science in Engineering Technology degree, or for immediate employment in the electronics industry. Students should work with the transfer institution, their counselors, and the Electronics Technology faculty to insure correct course choices.

Graduates of this program will be able to:

- Perform engineering analysis and problem solving
- Develop an engineering design to meet given specifications
- Work effectively in diverse teams and provide leadership to teams and organizations
- Communicate effectively in oral, graphic, and written form

Requirements

Requirements

General Education: 20 Credits

As described in the [General Education](#) section of the catalog.

- The following General Education course is required for students choosing this program:
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- The following General Education courses are recommended for students choosing this program:
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [HIST105 World Civilization I](#) - World Civilization I Credits: 3
 - [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4
 - [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4
 - [PHIL105 Critical Thinking](#) - Critical Thinking Credits: 3

Career Studies: 40 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [COMP135 Comp. Architect-Assembly Lang.](#) - Computer Architecture Using Assembly Language Credits: 3
- [COMP137 Programming for Engineers](#) - Programming for Engineers Credits: 3
- [ECON107 Economics](#) - Economics Credits: 3
- [ELEC101 Comp. Aided Circuit Analysis](#) - Computer Aided Circuit Analysis Credits: 3
- [ELEC103 Elec. Skills and Techniques](#) - Electrical Skills and Techniques Credits: 4

- [ELEC111 Electrical Circuits I](#) - Electrical Circuits I Credits: 4 **
- [ELEC112 Electrical Circuits II](#) - Electrical Circuits II Credits: 4 *
- [ELEC225 Fund. of Analog Elec. Devices](#) - Fundamentals of Analog Electronic Devices Credits: 4 **
- [ELEC241 Intro Digital Circuits](#) - Introduction to Digital Circuits Credits: 4 *
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- [MATH171 Calculus I](#) - Calculus I Credits: 4

Total Credits Required for Degree: 60

Notes:

Student transferring to NJIT should take PHYS111 and PHYS112

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and *prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress. This program is part of a joint admissions agreement program with N.J.I.T. Students completing this program may work toward a Baccalaureate degree or may continue in the Baccalaureate Degree Program at N.J.I.T.

Semester 1: Fall Term

- [ELEC101 Comp. Aided Circuit Analysis](#) - Computer Aided Circuit Analysis Credits: 3
- [ELEC103 Elec. Skills and Techniques](#) - Electrical Skills and Techniques Credits: 4
- [HIST105 World Civilization I](#) - World Civilization I Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4

Total Credits: 17

Semester 2: Spring Term

- [ELEC111 Electrical Circuits I](#) - Electrical Circuits I Credits: 4
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [ECON107 Economics](#) - Economics Credits: 3

Total Credits: 14

Semester 3: Fall Term

- [ELEC112 Electrical Circuits II](#) - Electrical Circuits II Credits: 4
- [PHIL105 Critical Thinking](#) - Critical Thinking Credits: 3
- [ELEC241 Intro Digital Circuits](#) - Introduction to Digital Circuits Credits: 4
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4

Total Credits: 15

Semester 4: Spring Term

- [COMP135 Comp. Architect-Assembly Lang.](#) - Computer Architecture Using Assembly Language Credits: 3
- [COMP137 Programming for Engineers](#) - Programming for Engineers Credits: 3
- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [ELEC225 Fund. of Analog Elec. Devices](#) - Fundamentals of Analog Electronic Devices Credits: 4

Total Credits: 14

Program Learning Outcomes

Name EENG - PLO 1	Outcome Perform engineering analysis and problem solving.
Name EENG - PLO 2	Outcome Develop an engineering design to meet given specifications.
Name EENG - PLO 3	Outcome Work effectively in diverse teams and provide leadership to teams and organizations.
Name EENG - PLO 4	Outcome Communicate effectively in oral, graphic, and written form.

ENGIN - Engineering Program, A.S.

General

Program Title

Engineering Program, A.S.

Program Code

ENGIN

Program Description

Engineering is a profession that integrates science and mathematics with design and laboratory study. It is and will continue to be the profession upon which the United States depends for its growth and ability to compete in world markets. "Engineering offers more career options than any other discipline. It's a profession that can take you from the depths of the ocean to the far reaches of outer space, from within the microscopic structures of the human cell to the top of the tallest skyscrapers. Whether it's cell phones, digital cameras, DVDs, or facial recognition devices that can pick out a terrorist in a crowded football stadium, engineers are behind almost all of today's exciting technology. Engineers are problem solvers who search for quicker, better, and less expensive ways to use the forces and materials of nature to meet today's challenges."1 At Brookdale Community College, the Engineering program parallels the first two years of the four-year engineering curriculum of most engineering schools throughout the country. The program leads to an Associate in Science degree in Engineering and transfers to most engineering schools. Brookdale has a Joint Admission Agreement with N.J.I.T. and an Articulation Agreement with Rutgers University. Students should consult a counselor. There are five major areas of study: Chemical Engineering; Civil Engineering; Electrical Engineering; Industrial Engineering; and Mechanical Engineering 1ASEE website <http://www.asee.org/>

Graduates of this program will be able to:

- Perform engineering analysis and problem solving
- Develop an engineering design to meet given specifications
- Work well in diverse teams
- Communicate effectively in oral, graphic and written form
- Transfer to an ABET accredited Engineering Program

Requirements

Requirements

General Education: 32 Credits

The following [General Education](#) courses are required for the program:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [ECON107 Economics](#) - Economics Credits: 3
- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [PHYS121 General Physics I](#) - General Physics I Credits: 4
- [PHYS122 General Physics II](#) - General Physics II Credits: 4
- [Humanities](#) Credits: 3 *
- [Humanities](#) or [Social Sciences](#) Credits: 3 *

General Education Note:

*One course is recommended from [Cultural and Global Awareness](#) knowledge area.

Career Studies: 21 Credits as Follows:

- [ENGI101 Engineering Mechanics I](#) - Engineering Mechanics I Credits: 3 *
- [ENGI103 Engineering Problem Solving](#) - Engineering Problem Solving with Computers Credits: 3
- [ENGI105 Introduction to Engineering](#) - Introduction to Engineering Credits: 1 (1)
- [ENGI121 Engineering Graphics with CAD](#) - Engineering Graphics with CAD Credits: 2
- [MATH172 Calculus II](#) - Calculus II Credits: 4
- [MATH273 Calculus III](#) - Calculus III Credits: 4
- [MATH274 Elem Differential Equations](#) - Elementary Differential Equations Credits: 4

Technical Electives: 14-18 Credits

Choose one set of courses

- Chemical Engineering: 15 Credits
 - [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
 - [CHEM203 Organic Chemistry I](#) - Organic Chemistry I Credits: 5
 - [CHEM204 Organic Chemistry II](#) - Organic Chemistry II Credits: 5
- Civil and Industrial Engineering: 14 Credits
 - [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
 - [ENGI102 Engineering Mechanics II](#) - Engineering Mechanics II Credits: 3 **
 - [ENGI205 Strength of Materials](#) - Strength of Materials Credits: 3 **
 - [ENGI206 Material Properties Processes](#) - Material, Properties and Processes Credits: 3 **
- Electrical Engineering: 18 Credits
 - [ENGI241 Principles of EE I \(Circuits\)](#) - Principles of EE I (Circuits) Credits: 4 *
 - [ENGI242 Principles EE II Electronics](#) - Principles of EE II (Electronics) Credits: 4 **
 - [ENGI251 Digital I](#) - Digital I Credits: 3 *
 - [ENGI252 Principles EE III \(Circuits\)](#) - Principles of EE III (Circuits) Credits: 3 **
 - [PHYS223 Gen Physics III](#) - General Physics III Credits: 4
- Mechanical Engineering: 17 Credits
 - [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
 - [ENGI102 Engineering Mechanics II](#) - Engineering Mechanics II Credits: 3 **
 - [ENGI205 Strength of Materials](#) - Strength of Materials Credits: 3 **
 - [ENGI206 Material Properties Processes](#) - Material, Properties and Processes Credits: 3 **
 - [ENGI216 Kinematics and Dynamics](#) - Kinematics and Dynamics of Machinery Credits: 3 ***

Total Credits Required for Degree: 67-71

Notes:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

*Offered Fall term only

**Offered Spring term only

***Offered Summer II term

(1) Students are required to take ENGI105 in the first term and declare a major area of study toward the end of this course. Students should work with a counselor to satisfy requirements for major career areas.

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites** and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress. This program is part of a joint admissions agreement program with N.J.I.T. Students completing this program may work toward a Baccalaureate degree or may continue in the Baccalaureate Degree Program at N.J.I.T.

Semester 1: Fall Term

- [ENGI105 Introduction to Engineering](#) - Introduction to Engineering Credits: 1
- [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [Humanities](#) Credits: 3 (1)
- [PHYS121 General Physics I](#) - General Physics I Credits: 4

Total Credits: 20

Semester 2: Spring Term

- [ENGI121 Engineering Graphics with CAD](#) - Engineering Graphics with CAD Credits: 2
- [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
 - Electrical Engineering students take [Humanities](#) or [Social Sciences](#) Credits: 3 * (1)
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH172 Calculus II](#) - Calculus II Credits: 4
- [PHYS122 General Physics II](#) - General Physics II Credits: 4

Total Credits: 17-19

Summer II

- Technical Elective Credits: 0-3

Semester 3: Fall Term

- [COMP137 Programming for Engineers](#) - Programming for Engineers Credits: 3
- [ENGI101 Engineering Mechanics I](#) - Engineering Mechanics I Credits: 3
- [MATH273 Calculus III](#) - Calculus III Credits: 4

- Technical Elective Credits: 3-5
 - Electrical Engineering students take ENGI241 Principles of EE I (Circuits) - Principles of EE I (Circuits) Credits: 4
- ENGI251 Digital I - Digital I Credits: 3
 - For Electrical Engineering students

Total Credits: 13-17

Semester 4: Spring Term

- ENGI102 Engineering Mechanics II - Engineering Mechanics II Credits: 3
 - Not required for Electrical and Chemical Engineering
- ECON107 Economics - Economics Credits: 3
- MATH274 Elem Differential Equations - Elementary Differential Equations Credits: 4
- PHYS223 Gen Physics III - General Physics III Credits: 4
 - For Electrical Engineering students
- Humanities or Social Sciences Credits: 3 (1)
 - Electrical Engineering students complete this requirement in Semester 2)
- Technical Elective Credits: 3-6
 - Electrical Engineering students take ENGI242 Principles EE II Electronics - Principles of EE II (Electronics)
- ENGI252 Principles EE III (Circuits) - Principles of EE III (Circuits) Credits: 3
 - For Electrical Engineering

Total Credits: 16-21

Sequence Notes:

MATH151, MATH152 and/or MATH152 may be required if MATH requirements are not met.

(1) One course is recommended from Cultural and Global Awareness knowledge area.

Name	Outcome
ENGIN - PLO 5	Transfer to an ABET accredited Engineering Program.

Program Learning Outcomes

Name	Outcome
ENGIN - PLO 1	Perform engineering analysis and problem solving.

Name	Outcome
ENGIN - PLO 2	Develop an engineering design to meet given specifications.

Name	Outcome
ENGIN - PLO 3	Work well in diverse teams.

Name	Outcome
ENGIN - PLO 4	Communicate effectively in oral, graphic and written form.

ENVSC - Environmental Science Program, A.S.

General

Program Title

Environmental Science Program, A.S.

Program Code

ENVSC

Program Description

This degree is designed for students who plan to transfer to a four-year institution with a major in environmental science, ecology, geology, natural resource management, or marine sciences. To maximize transfer credits, students must be guided by the transfer institution's requirements and work closely with their counselor in order to select courses wisely.

Graduates of this program will be able to:

- Apply knowledge from the sciences and mathematics to identify, characterize and provide solutions to contemporary environmental issues.
- Use the scientific method of inquiry to investigate how environmental worldviews, politics and economics are driving the human impact.
- Communicate technical information effectively orally, in writing and through electronic media.

Requirements

Requirements

General Education: 32 Credits as Follows:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics **or** [MATH171 Calculus I](#) - Calculus I Credits: 4
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 (1)
- [COMP129 Information Technology](#) - Information Technology Credits: 3 (2)

General Education Notes:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

(2) Students are required to complete 0-4 General Education credits in [Technological Competency](#). A student may be waived from the requirement by taking a course designated as (t) such as ENVR126 or by passing a proficiency exam. Students must complete a minimum of 30 [General Education](#) credits for an A.S. degree.

Career Studies: 18 Credits as Follows:

- [BIOL101 General Biology I](#) - General Biology I Credits: 4
- [BIOL102 General Biology II](#) - General Biology II Credits: 4
- [ENVR107 Environmental Science](#) - Environmental Science Credits: 4
- ENVR108 - Principles of Sustainability Credits: 3

- [POLI228 Environmental Politics](#) - Environmental Politics and Policy Credits: 3 **

Career Studies Electives: 10 Credits From Among the Following:

- [ANTH125 Introduction to Human Ecology](#) - Introduction to Human Ecology Credits: 3
- [BIOL207 Marine Biology](#) - Marine Biology Credits: 4 ***
- [BIOL208 Ecology and Field Biology](#) - Ecology and Field Biology Credits: 4 * (3)
- [ENVR111 Oceanography](#) - Oceanography Credits: 4
- [ENVR126 Introduction to GIS](#) - Introduction to Geographic Information Systems (GIS) Credits: 3 (t)
- [ENVR127 Meteorology](#) - Meteorology Credits: 4
- [ENVR130 Physical Geology](#) - Physical Geology Credits: 4
- ENVR225 - Energy and the Environment Credits: 3
- [GEOG105 Intro to Physical Geography](#) - Introduction to Physical Geography Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4 (3)
- MATH132 - Introduction to Data Science and Applied Statistics Credits: 4
- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [PHYS111 General Physics I Non-Calculus](#) - General Physics I Credits: 4
- [PHYS112 General Physics II Non-Calc](#) - General Physics II Credits: 4
- [PHYS121 General Physics I](#) - General Physics I Credits: 4
- [PHYS122 General Physics II](#) - General Physics II Credits: 4

Credit Required for Degree: 60

Notes:

(3) BIOL208 requires a prerequisite of MATH131

*Offered Fall Term only

**Offered Spring Term only

***Offered Summer Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [BIOL101 General Biology I](#) - General Biology I Credits: 4
- [ENVR107 Environmental Science](#) - Environmental Science Credits: 4
- [Humanities](#) Credits: 3

Total Credits: 14

Semester 2: Spring Term

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3

- [BIOL102 General Biology II](#) - General Biology II Credits: 4
- ENVR108 - Principles of Sustainability Credits: 3
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics **or** [MATH171 Calculus I](#) - Calculus I Credits: 4

Total Credits: 14

Summer

- Career Studies Credits: 3-4

Semester 3: Fall Term

- Career Studies Credits: 3-4
- [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [Social Sciences](#) Credits: 3

Total Credits: 11-12

Semester 4: Spring Term

- [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
- [POLI228 Environmental Politics](#) - Environmental Politics and Policy Credits: 3 **
- [Humanities or Social Sciences](#) Credits: 3 (1)
- Career Studies Credits: 3-4
- [COMP129 Information Technology](#) - Information Technology Credits: 3 (0-3) (2)

Total Credits: 17-18

Sequence Notes:

**Offered Spring Term only

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

(2) Students are required to complete 0-4 General Education credits in [Technological Competency](#). See note (2) above.

FADEA - Fashion Design, Academic Credit Certificate of Achievement

General

Program Title

Fashion Design, Academic Credit Certificate of Achievement

Program Code

FADEA

Program Description

This certificate of achievement in fashion design is intended to provide students with job specific education and skills for advancement in the fashion industry. Graduates of this program can move on to careers in apparel design, product development, costume design, retail, freelance work, and other entrepreneurial opportunities. They may work in wholesale or manufacturing establishments, apparel companies, or retailers.

Graduates of this program will be able to:

- Demonstrate a working knowledge of the fashion industry from concept to consumer
- Demonstrate techniques and use of materials required to construct sewn products
- Demonstrate an understanding of the interrelationships between the consumer and the primary, secondary, retailing, and auxiliary segments of the fashion industry
- Create designs using industry standard CAD software and components

Requirements

Requirements

Career Studies: 18 Credits as Follows:

- [FASH220 Product Development](#) - Product Development Credits: 3
- [FASH121 Intro to the Fashion Business](#) - Introduction to the Fashion Business Credits: 3
- [FASH122 Textile Science](#) - Textile Science Credits: 3
- [FASH131 Apparel Construction I](#) - Sewing Techniques I Credits: 3
- [FASH132 Apparel Construction II](#) - Sewing Techniques II Credits: 3
- [FASH215 Fashion Illustration](#) - Fashion Illustration Credits: 3

Total Credits: 18

Program Learning Outcomes

Name FADEA - PLO 1	Outcome Demonstrate a working knowledge of the fashion industry from concept to consumer.
Name FADEA - PLO 2	Outcome Demonstrate techniques and use of materials required to construct sewn products.

Name FADEA - PLO 3	Outcome Demonstrate an understanding of the interrelationships between the consumer and the primary, secondary, retailing, and auxiliary segments of the fashion industry.

Name FADEA - PLO 4	Outcome Create designs using industry standard CAD software and components.

FAMEA - Fashion Merchandising, Certificate of Achievement

General

Program Title

Fashion Merchandising, Certificate of Achievement

Program Code

FAMEA

Program Description

This certificate of achievement in fashion merchandising is intended to provide students with job specific education and skills for advancement in the fashion industry. Graduates of this program can move on to careers in retail management, entry level buying, merchandiser, inventory control, and visual merchandiser positions.

Graduates of this program will be able to:

- Demonstrate an understanding of the interrelationships between the consumer and the primary, secondary, retailing and auxiliary segments of the fashion industry
- Demonstrate a working knowledge of the fashion industry from concept to consumer
- Apply appropriate visual merchandising techniques

Requirements

Requirements

Career Studies: 24 Credits as Follows:

- [FASH121 Intro to the Fashion Business](#) - Introduction to the Fashion Business Credit: 3
- [FASH122 Textile Science](#) - Textile Science Credits: 3
- [FASH212 Visual Merchandising & Display](#) - Visual Merchandising and Display Credits: 3
- [FASH213 Buying and Merchandise Math](#) - Buying and Merchandise Math Credits: 3
- [FASH224 Case Studies & Exec Devel](#) - Case Studies and Executive Development in Fashion Merchandising Credits: 3
- [FASH235 Global Source & Sustainability](#) - Global Sourcing and Sustainability in Fashion Credits: 3
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3
- [MRKT111 Fundamentals of Retailing](#) - Fundamentals of Retailing Credits: 3

Total Credits: 24

Program Learning Outcomes

Name FAMEA - PLO 1	Outcome Demonstrate an understanding of the interrelationships between the consumer and the primary, secondary, retailing and auxiliary segments of the fashion industry.

Name FAMEA - PLO 2	Outcome Demonstrate a working knowledge of the fashion industry from concept to consumer.

Name FAMEA - PLO 3	Outcome Apply appropriate visual merchandising techniques.

FASHDM - Fashion Design and Merchandising Program, A.S.

General

Program Title

Fashion Design and Merchandising Program, A.S.

Program Code

FASHDM

Program Description

Students who wish to prepare for a career in the design or wholesale/retail fashion industry should select this program which combines fashion studies with business and general education courses. After graduation, students may choose to transfer to Bachelor degree programs in colleges which offer fashion design or merchandising degrees. Graduates of this program have been accepted with full credit to the upper division of four-year colleges which offer fashion-related Bachelor degrees.

Graduates of this program will be able to:

- Demonstrate a working knowledge of the fashion industry from concept to consumer
- Compare and contrast historical costume dress to contemporary dress
- Apply appropriate visual merchandising and advertising techniques
- Demonstrate techniques and use of materials required to construct sewn products
- Demonstrate an understanding of the interrelationships between the consumer and the primary, secondary, retailing and auxiliary segments of the fashion industry

Requirements

Requirements

General Education: 30 Credits

As described in the [General Education](#) section of the catalog.

- The following courses are required:
 - [ANTH105 Cultural Anthropology](#) - Cultural Anthropology **or** [ANTH106 Cultures of the World](#) - Cultures of the World Credits: 3
 - [ARTH106 Art History: Ancient/Medieval](#) - History of Art: Ancient Through Medieval Credits: 3
 - [COMP129 Information Technology](#) - Information Technology Credits: 3
 - [ECON106 Micro Economics](#) - Micro Economics Credits: 3
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [ENVR107 Environmental Science](#) - Environmental Science **or** [CHEM116 Chemistry in Life](#) Chemistry in Life Credits: 4 *
 - [MATH131 Statistics](#) - Statistics **or** [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
 - [General Education](#) course Credits: 1-3

General Education Note:

*Check transfer institution requirements

Career Studies: 21 Credits as Follows:

A grade of "C" or higher is required in all career studies courses.

- [FASH121 Intro to the Fashion Business](#) - Introduction to the Fashion Business Credits: 3
- [FASH122 Textile Science](#) - Textile Science Credits: 3 **
- [FASH212 Visual Merchandising & Display](#) - Visual Merchandising and Display Credits: 3
- [FASH220 Product Development](#) - Product Development in the Fashion Industry Credits: 3
- [FASH224 Case Studies & Exec Devel](#) - Case Studies and Executive Development In Fashion Merchandising Credits: 3
- [FASH225 Survey of Historic Costume](#) - Survey of Historic Costume Credits: 3 *
- [FASH235 Global Source & Sustainability](#) - Global Sourcing and Sustainability in Fashion Credits: 3

Career Studies: 9 Credits From Among One of the Following Concentrations:

A grade of "C" or higher is required in all career studies courses.

- Fashion Design
 - [FASH131 Apparel Construction I](#) - Apparel Construction I Credits: 3
 - [FASH132 Apparel Construction II](#) - Apparel Construction II Credits: 3 **
 - [FASH215 Fashion Illustration](#) - Fashion Illustration Credits: 3 *

OR

- Fashion Merchandising
 - [FASH213 Buying and Merchandise Math](#) - Buying and Merchandise Math Credits: 3
 - [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3
 - [MRKT111 Fundamentals of Retailing](#) - Fundamentals of Retailing **or** [MRKT115 Social Media Marketing](#) - Social Media Marketing Credits: 3

Total Credits Required for Program: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Note: Students should refer to their concentration in either fashion design or fashion merchandising when selecting FASH/MRKT courses designated as "**or**" in the sequence.

Semester 1: Fall Term

- [FASH121 Intro to the Fashion Business](#) - Introduction to the Fashion Business Credits: 3

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ARTH106 Art History: Ancient/Medieval](#) - History of Art: Ancient Through Medieval Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [FASH122 Textile Science](#) - Textile Science Credits: 3
- [FASH220 Product Development](#) - Product Development in the Fashion Industry
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing **or** [FASH131 Apparel Construction I](#) - Apparel Construction I Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH131 Statistics](#) - Statistics **or** [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4

Total Credits: 16

Semester 3: Fall Term

- [FASH212 Visual Merchandising & Display](#) - Visual Merchandising and Display Credits: 3
- [FASH225 Survey of Historic Costume](#) - Survey of Historic Costume Credits: 3
- [ENVR107 Environmental Science](#) - Environmental Science **or** [CHEM116 Chemistry in Life](#) Chemistry in Life Credits: 4
- [MRKT111 Fundamentals of Retailing](#) - Fundamentals of Retailing **or** [FASH215 Fashion Illustration](#) - Fashion Illustration Credits: 3
- [COMP128 Fundamentals of Programming](#) - Fundamentals of Programming Credits: 1

Total Credits: 14

Semester 4: Spring Term

- [FASH224 Case Studies & Exec Devel](#) - Case Studies and Executive Development in Fashion Merchandising Credits: 3
- [FASH235 Global Source & Sustainability](#) - Global Sourcing and Sustainability in Fashion Credits: 3
- [ECON106 Micro Economics](#) - Micro Economics Credits: 3
- [FASH213 Buying and Merchandise Math](#) - Buying and Merchandise Math **or** [FASH132 Apparel Construction II](#) - Apparel Construction I Credits: 3
- [ANTH105 Cultural Anthropology](#) - Cultural Anthropology **or** [ANTH106 Cultures of the World](#) - Cultures of the World Credits: 3

Total Credits: 15

Program Learning Outcomes

Outcome	
Name FASHDM - PLO 1	Demonstrate a working knowledge of the fashion industry from concept to consumer.

Name FASHDM - PLO 2	Outcome Compare and contrast historical costume dress to contemporary dress.
Name FASHDM - PLO 3	Outcome Apply appropriate visual merchandising and advertising techniques.
Name FASHDM - PLO 4	Outcome Demonstrate techniques and use of materials required to construct sewn products.
Name FASHDM - PLO 5	Outcome Demonstrate an understanding of the interrelationships between the consumer and the primary, secondary, retailing and auxiliary segments of the fashion industry.

GAMED - Game Design, A.A.S.

General

Program Title

Game Design, A.A.S.

Program Code

GAMED

Program Description

The Game Design degree will allow students to create their own simple games and apps. Student will walk through the process of creating assets, importing them into a game engine and creating interactivity. By the end of the program, students will have created their own game from start to finish. Graduates of this program may find employment with game development companies in private industry such as entertainment and education software, as well as in the government and military.

Transfer information: <https://www.brookdalecc.edu/transfer-resources>

Graduates of this program will be able to:

- Design a game with appeal for specific and diverse markets
- Export 3D files and audio files suitable for use in a game environment
- Export animations suitable for use in game engines
- Import assets into game engines
- Create lighting and dynamic simulations in game design
- Write simple scripts to generate interactivity within a game engine
- Export playable games

Requirements

Requirements

General Education: 20-21 Credits as Follows:

As described in the [General Education](#) section of the catalog

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [Humanities](#) **or** [Social Sciences](#) Credits: 3 *
- [General Education](#) Credits: 8-9
 - Recommended:
 - [ARTH105 Art Appreciation](#) - Art Appreciation Credits: 3 (Humanities)
 - [ENGL235 World Literature I](#) - World Literature I Credits: 3 (Humanities and Cultural and Global)
 - [HUMN129 Issues Women's Gender Studies](#) - Issues in Women's and Gender Studies Credits: 3 (Cultural and Global)

Career Studies: 37 Credits as Follows:

A grade of "C" or higher is required in all career studies courses.

- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [DIGM116 Prod & Storyboardng: Photoshop](#) - Production & Storyboarding: Photoshop Credits: 3
- [DIGM121 3D Modeling](#) - Maya I: 3D Modeling Credits: 3

- [DIGM122 Maya II: Fundamentals](#) - Maya II: Fundamentals Credits: 3
- [DIGM235 Pre-Visualization & Career Dev](#) - Previsualization & Career Development Credits: 1
- [DIGM298 Design and Production Capstone](#) - Design and Production Capstone Credits: 3
- [MUTC101 Pro Tools® I](#) - Pro Tools® I Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3
- [COMP271 Programming II](#) - Programming II Credits: 3
- [GAME105 Introduction to Unity](#) - Introduction to Unity Credits: 3
- [GAME115 Game Concept Design](#) - Game Concept Design Credits: 3
- [GAME205 Game Character Design](#) - Game Character Design Credits: 3
- [GAME206 Game Level Design](#) - Game Level Design Credits: 3

Electives: 2-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See an advisor for other options and to monitor your progress.

Semester 1: Fall Term

- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [DIGM116 Prod & Storyboardng: Photoshop](#) - Production & Storyboarding: Photoshop Credits: 3
- [DIGM121 3D Modeling](#) - Maya I: 3D Modeling Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [DIGM122 Maya II: Fundamentals](#) - Maya II: Fundamentals Credits: 3
- [COMP171 Programming I](#) - Programming I Credits: 3
- [GAME105 Introduction to Unity](#) - Introduction to Unity Credits: 3
- [GAME115 Game Concept Design](#) - Game Concept Design Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3 **or** [SPCH115 Public Speaking](#) - Public Speaking

Total Credits: 15

Semester 3: Fall Term

- [GAME205 Game Character Design](#) - Game Character Design Credits: 3
- [GAME206 Game Level Design](#) - Game Level Design Credits: 3
- [COMP271 Programming II](#) - Programming II Credits: 3
- [DIGM235 Pre-Visualization & Career Dev](#) - Previsualization & Career Development Credits: 1
- [MUTC101 Pro Tools® I](#) - Pro Tools® I Credits: 3

- [Humanities](#) or [Social Sciences](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [DIGM298 Design and Production Capstone](#) - Design and Production Capstone Credits: 3
- General Education Credits: 8-9 *
- Elective Credits: 2-3 *

Total Credits: 14

Sequence Notes:

*Depending on total number of General Education credits completed, student will be required to complete elective credits to meet total 60 credits requirement for degree.

Program Learning Outcomes

Name GAMED - PLO 1	Outcome Design a game with appeal for specific and diverse markets.
Name GAMED - PLO 2	Outcome Export 3D files and audio files suitable for use in a game environment.
Name GAMED - PLO 3	Outcome Export animations suitable for use in game engines.
Name GAMED - PLO 4	Outcome Import assets into game engines.
Name GAMED - PLO 5	Outcome Create lighting and dynamic simulations in game design.
Name GAMED - PLO 6	Outcome Write simple scripts to generate interactivity within a game engine.
Name GAMED - PLO 7	Outcome Export playable games.

GRPDN - Graphic Design Program, A.A.S.

General

Program Title

Graphic Design Program, A.A.S.

Program Code

GRPDN

Program Description

This program is for students who wish to gain employment in the field of graphic art and design. Positions may be available in advertising - print and non-print - and in various visual communication fields. Employment areas may include: design production, print production, display, digital design, illustration, and photography. This program is not designed for transfer to a four-year college. Students who wish to complete Bachelors' degrees should choose the Graphic Design Option of the Humanities A.A. Program.

Graduates of this program will be able to:

- Demonstrate an understanding of the anatomy of type and apply to contemporary branding techniques
- Develop proficiency in visual communication skills through graphic techniques used in various digital software programs
- Apply effective visual and critical thinking skills to the implementation of the design problem-solving process
- Implement visual communication principles to the successful realization of a product identity and packaging needs
- Apply contemporary illustrative concepts to communicate an effective storyline in visual graphics
- Explore new, experimental and theoretical thinking emerging within the field of graphic design

Requirements

Requirements

General Education: 21 Credits

As described in the [General Education](#) section of the catalog. The following courses are required:

- [ARTH106 Art History: Ancient/Medieval](#) - History of Art: Ancient Through Medieval Credits: 3
- [ARTH107 Art:Renaissance/Contemporary](#) - History of Art: Renaissance Through Contemporary Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [MATH136 Math for the Liberal Arts](#) - Mathematics for the Liberal Arts Credits: 3
- [MUSI115 History of Classical Music](#) - History of Classical Music Credits: 3
- [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process Credits: 3
- [SPCH115 Public SpeakingS](#) - Public Speaking Credits: 3

Career Studies: 39 Credits as Follows:

- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [ARTS121 2-D Design](#) - 2-D Design Credits: 3
- [ARTS122 Color Theory](#) - Color Theory Credits: 3
- [GRPH101 Typography I](#) - Typography I Credits: 3
- [GRPH102 Typography II](#) - Typography II Credits: 3

- [GRPH115 Illustration](#) - Illustration Credits: 3
- [GRPH120 Design for Digital Media](#) - Introduction to Digital Media Design Credits: 3
- [GRPH204 Graphic Design Production](#) - Graphic Design Production Credits: 3
- [GRPH216 Graphic Design Techniques](#) - Graphic Design Techniques Credits: 3
- [GRPH220 Graphic Design Portfolio](#) - Graphic Design Portfolio Credits: 3
- [COMP166 WEB Design Using HTML](#) - WEB Design Using HTML Credits: 3
- [MRKT105 Advertising](#) - Advertising Credits: 3
- [PHTY120 Digital Photography I](#) - Digital Photography I Credits: 3

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ARTH106 Art History: Ancient/Medieval](#) - History of Art: Ancient Through Medieval Credits: 3
- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [GRPH101 Typography I](#) - Typography I Credits: 3
- [GRPH120 Design for Digital Media](#) - Introduction to Digital Media Credits: 3
- [MUSI115 History of Classical Music](#) - History of Classical Music Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [ARTS121 2-D Design](#) - 2-D Design Credits: 3
- [ARTS122 Color Theory](#) - Color Theory Credits: 3
- [GRPH102 Typography II](#) - Typography II Credits: 3
- [GRPH115 Illustration](#) - Illustration Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3

Total Credits: 15

Semester 3: Fall Term

- [GRPH204 Graphic Design Production](#) - Graphic Design Production Credits: 3
- [MRKT105 Advertising](#) - Advertising Credits: 3
- [PHTY120 Digital Photography I](#) - Digital Photography I Credits: 3
- [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Total Credits: 15

Semester 4: Spring Term

- [GRPH216 Graphic Design Techniques](#) - Graphic Design Techniques Credits: 3
- [GRPH220 Graphic Design Portfolio](#) - Graphic Design Portfolio Credits: 3
- [COMP166 WEB Design Using HTML](#) - WEB Design Using HTML Credits: 3
- [MATH136 Math for the Liberal Arts](#) - Mathematics for the Liberal Arts Credits: 3
- [ARTH107 Art:Renaissance/Contemporary](#) - History of Art: Renaissance Through Contemporary Credits: 3

Total Credits: 15

Sequence Note:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name GRPDN - PLO 1	Outcome Demonstrate an understanding of the anatomy of type and apply to contemporary branding techniques.
Name GRPDN - PLO 2	Outcome Develop proficiency in visual communication skills through graphic techniques used in various digital software programs.
Name GRPDN - PLO 3	Outcome Apply effective visual and critical thinking skills to the implementation of the design problem-solving process.
Name GRPDN - PLO 4	Outcome Implement visual communication principles to the successful realization of a product identity and packaging needs.
Name GRPDN - PLO 5	Outcome Apply contemporary illustrative concepts to communicate an effective storyline in visual graphics
Name GRPDN - PLO 6	Outcome Explore new, experimental and theoretical thinking emerging within the field of graphic design.

HLSEM - Homeland Security & Emergency Mgt Program, A.S.

General

Program Title

Homeland Security & Emergency Mgt Program, A.S.

Program Code

HLSEM

Program Description

The Homeland Security and Emergency Management Program will prepare students to continue their education to earn a B.S. degree or to enter the workforce. Students in the program learn about issues and problems in society's response to terrorism and emergency situations. Coursework provides particular career-orientated skills for career opportunities in courtrooms, Immigration and Custom Enforcement (ICE), homeland security, emergency management, border patrol and national corporate security.

Graduates of this program will be able to:

- Distinguish the roles of federal, state, and local law enforcement agencies under the auspices of the U.S. Department of Homeland Security
- Utilize intelligence and technologies to enhance security
- Develop emergency operations plans related to the mitigation, preparation, response, and recovery strategies for all-hazards concepts, including: terrorism, natural and man-made disaster, emergency management, prevention and protection, preparedness and response
- Recognize how terrorism is investigated for homeland security and emergency management and share essential information for analysis
- Debate Twenty-First Century issues of civil liberties and civil rights, National Security concerns, and privacy rights
- Examine the issues of professional responsibility and ethical standards as they relate to Homeland Security and Emergency Management

Requirements

Requirements

General Education: 30 Credits

As described in the [General Education](#) section of the catalog.

The following General Education courses are required:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#)
 - Recommended:
 - [HIST105 World Civilization I](#) - World Civilization I Credits: 3
 - [HIST106 World Civilization II](#) - World Civilization II Credits: 3
 - [HIST135 American Civilization I](#) - American Civilization I Credits: 3
 - [HIST136 American Civilization II](#) - American Civilization II Credits: 3
 - [ENGL235 World Literature I](#) - World Literature I Credits: 3
 - [ENGL236 World Literature II](#) - World Literature II Credits: 3

- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology or PSYC106 - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [POLI105 American National Government](#) - American National Government Credits: 3
- [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4
- General Education Lab [Science](#) Credits: 4
- Any General Education Lab Science or 4-credit [Mathematics](#) course or [COMP129 Information Technology](#) and [COMP128 Fundamentals of Programming](#) - Fundamentals of Programming Credits: 4
- [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process Credits: 3

Career Studies: 30 Credits

- [CRJU101 Intro to Criminal Justice](#) - Introduction to Criminal Justice System Credits: 3
- [CRJU204 Forensic Investigation](#) - Forensic Investigation Credits: 3
- [CRJU229 Criminal Due Process](#) - Criminal Due Process Credits: 3
- [CRJU236 Counter Terrorism](#) - Counter Terrorism Credits: 3
- [CRJU237 Homeland Security](#) - Homeland Security Credits: 3
- [CRJU238 Emergency Management](#) - Principles of Emergency Management Credits: 3
- [GEOG126/ENVR126 Introduction to GIS](#) - Introduction to Geographic Information Systems (GIS) Credits: 3 (t)
- [NETW107 Introduction to Security](#) - Introduction to Security Credits: 3 (t) *
- [POLI225 International Relations](#) - International Relations Credits: 3 **
- [SPCH130 Interpersonal Communications](#) - Interpersonal Communications Credits: 3

Total Credits Required for Degree: 60

Notes:

[CRJU236](#) is a recognized Globally Enhanced Class.

Students intending to transfer to Monmouth University will need to take another General Education Science course. Students should consult a counselor.

(t) Career studies course that satisfies technological competency.

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [CRJU101 Intro to Criminal Justice](#) - Introduction to Criminal Justice System Credits: 3
- [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4

- [POLI105 American National Government](#) - American National Government Credits: 3
- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects or [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality and Social Aspects Credits: 3

Total Credits: 16

Semester 2: Spring Term

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [CRJU236 Counter Terrorism](#) - Counter Terrorism Credits: 3
- [CRJU237 Homeland Security](#) - Homeland Security Credits: 3
- [SPCH130 Interpersonal Communications](#) - Interpersonal Communications Credits: 3
- General Education Lab [Science](#) or [Mathematics](#) or [COMP129 Information Technology](#) and [COMP128 Fundamentals of Programming](#) - Fundamentals of Programming Credits: 4

Total Credits: 16

Semester 3: Fall Term

- [CRJU229 Criminal Due Process](#) - Criminal Due Process Credits: 3
- [CRJU238 Emergency Management](#) - Principles of Emergency Management Credits: 3
- [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process Credits: 3
- [NETW107 Introduction to Security](#) - Introduction to Security Credits: 3 *
- General Education Lab [Science](#) Credits: 4

Total Credits: 16

Semester 4: Spring Term

- [CRJU204 Forensic Investigation](#) - Forensic Investigation Credits: 3
- [ENVR126 Introduction to GIS](#) - Introduction to Geographic Information Systems (GIS) Credits: 3
- [POLI225 International Relations](#) - International Relations Credits: 3 **
- [Humanities](#) Credits: 3

◦ Recommended:

- [HIST105 World Civilization I](#) - World Civilization I
- [HIST106 World Civilization II](#) - World Civilization II
- [HIST135 American Civilization I](#) - American Civilization I
- [HIST136 American Civilization II](#) - American Civilization II
- [ENGL235 World Literature I](#) - World Literature I
- [ENGL236 World Literature II](#) - World Literature II

Total Credits: 12

Sequence Notes

*Offered Fall Term only

**Offered Spring Term only

Program Learning Outcomes

Name HLSEM - PLO 1	Outcome Distinguish the roles of federal, state, and local law enforcement agencies under the auspices of the U.S. Department of Homeland Security.

Name HLSEM - PLO 2	Outcome Utilize intelligence and technologies to enhance security.

Name HLSEM - PLO 3	Outcome Develop emergency operations plans related to the mitigation, preparation, response, and recovery strategies for all-hazards concepts, including: terrorism, natural and man-made disaster, emergency management, prevention and protection, preparedness and response.

Name HLSEM - PLO 4	Outcome Recognize how terrorism is investigated for homeland security and emergency management and share essential information for analysis.

Name HLSEM - PLO 5	Outcome Debate Twenty-First Century issues of civil liberties and civil rights, National Security concerns, and privacy rights.

Name HLSEM - PLO 6	Outcome Examine the issues of professional responsibility and ethical standards as they relate to Homeland Security and Emergency Management.

HMADD - Human Services Program, Addiction Studies Option, A.S.

General

Program Title

Human Services Program, Addiction Studies Option, A.S.

Program Code

HMADD

Program Description

The Human Services A.S. Addiction Studies Option prepares students to transfer to a Bachelor of Social Work (BSW) or other closely related program while earning addiction certification credits simultaneously. Human services is a creative, innovative field for persons who work with, and give support to, other human beings who are experiencing problems with addictions. The courses provide a comprehensive approach to addiction studies. In addition to time spent in the classroom, students spend 285 hours in hospitals, mental health centers, social service agencies, substance-abuse counseling sites and other facilities.

Graduates of this program will be able to:

- Serve Human Services clients or carry out other supportive human service agency functions.
- Explain the historical and philosophical foundation of Human Services.
- Identify human systems, discuss their interaction, and recognize the conditions that promote or limit optimal human functioning.
- Analyze service problems, select appropriate strategies, services, or interventions, and evaluate outcomes.
- Apply human service ethics, values, and attitudes in personal, educational, and professional settings with an understanding of cultural/ethnic diversity.
- Evaluate their own values, personalities, reaction patterns, interpersonal styles, and limitations.
- Apply interventions with individual clients and therapeutic groups as it relates to drug and alcohol addictions.

Requirements

Requirements

General Education: 32 Credits

As described in the [General Education](#) section of the catalog.

- The Following General Education Courses are Required:
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [BIOL108 Human Biology](#) - Human Biology Credits: 4
 - [COMP129 Information Technology](#) - Information Technology Credits: 3
 - [MATH131 Statistics](#) - Statistics Credits: 4
 - [POLI105 American National Government](#) - American National Government Credits: 3
 - [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
 - [PSYC208 Life Span Development](#) - Life Span Development Credits: 3
 - [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3

- [HIST105 World Civilization I](#) - World Civilization I **or** [HIST106 World Civilization II](#) - World Civilization II **or** [ENGL235 World Literature I](#) - World Literature I **or** [ENGL236 World Literature II](#) - World Literature II

General Education Notes

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 27 Credits As Follows:

- [PSYC111 Intro to Human Services](#) - Introduction to Human Services Credits: 3
- [PSYC125 Intro to Addiction Studies](#) - Introduction to Addiction Studies Credits: 3
- [PSYC127 Eval&Diagnosis Addict Client](#) - Evaluation and Diagnosis of the Addicted Client Credits: 3 **
- [PSYC212 Comm Agencies & Human Services](#) - Community Agencies and Human Service Systems Credits: 3
- [PSYC215 Counseling Techniques](#) - Counseling Techniques Credits: 3
- [PSYC221 Indiv'l Counseling Addicted Cl](#) - Individual Counseling for the Addicted Client Credits: 3 *
- [PSYC222 Social Aspects of Addiction](#) - Social, Cultural, and Familial Aspects Of Addiction Credits: 3 **
- [PSYC235 Group Dynamics](#) - Group Dynamics Credits: 3
- [PSYC285 Human Service Practicum](#) - Human Services Practicum Credits: 3

Electives: 1 Credit

Total Credits Required For Degree: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [PSYC111 Intro to Human Services](#) - Introduction to Human Services Credits: 3
- [PSYC125 Intro to Addiction Studies](#) - Introduction to Addiction Studies Credits: 3 *
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [PSYC127 Eval&Diagnosis Addict Client](#) - Evaluation and Diagnosis of the Addicted Client Credits: 3 **

- [PSYC208 Life Span Development](#) - Life Span Development Credits: 3
- [PSYC212 Comm Agencies & Human Services](#) - Community Agencies and Human Service Systems Credits: 3
- [PSYC215 Counseling Techniques](#) - Counseling Techniques Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3

Total Credits: 15

Semester 3: Fall Term

- [PSYC221 Indiv'l Counseling Addicted Cl](#) - Individual Counseling for the Addicted Client Credits: 3 *
- [PSYC235 Group Dynamics](#) - Group Dynamics Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4
- [POLI105 American National Government](#) - American National Government Credits: 3
- [HIST105 World Civilization I](#) - World Civilization I **or** [HIST106 World Civilization II](#) - World Civilization II **or** [ENGL235 World Literature I](#) - World Literature I **or** [ENGL236 World Literature II](#) - World Literature II Credits: 3 (1)

Total Credits: 16

Semester 4: Spring Term

- [PSYC222 Social Aspects of Addiction](#) - Social, Cultural, and Familial Aspects Of Addiction Credits: 3 **
- [PSYC285 Human Service Practicum](#) - Human Services Practicum Credits: 1-3
- [BIOL108 Human Biology](#) - Human Biology Credits: 4
- [SOC1101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- Elective Credits: 1

Total Credits: 14

Sequence Notes:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

*Offered Fall Term only

**Offered Spring Term only

CADC Credential

Students who complete the suggested course sequence for the addictions option A.A.S. will have fulfilled the academic competencies of the CADC credential awarded by the state of New Jersey. Brookdale does not provide supervised Praxis hours for a CADC, nor does Brookdale award the CADC credential itself. Students may apply with the NJ Board of Consumer Affairs to have their BCC credits count for the totality of the CADC coursework requirements. Students taking the courses listed below can apply to have their credits count toward the academic portion of the CADC credential with the department of consumer affairs, CADC division. For more information go to the following web page: <http://www.state.nj.us/lps/ca/medical/alcdrug.htm> or call 973-504-6369.

- [PSYC111 Intro to Human Services](#) - Introduction to Human Services Credits: 3
- [PSYC125 Intro to Addiction Studies](#) - Introduction to Addiction Studies Credits: 3
- [PSYC127 Eval&Diagnosis Addict Client](#) - Evaluation and Diagnosis of the Addicted Client Credits: 3 **

- [PSYC212 Comm Agencies & Human Services](#) - Community Agencies and Human Service Systems Credits: 3
- [PSYC215 Counseling Techniques](#) - Counseling Techniques Credits: 3
- [PSYC221 Indiv'l Counseling Addicted Cl](#) - Individual Counseling for the Addicted Client Credits: 3 *
- [PSYC222 Social Aspects of Addiction](#) - Social, Cultural, and Familial Aspects Of Addiction Credits: 3 **
- [PSYC235 Group Dynamics](#) - Group Dynamics Credits: 3

Program Learning Outcomes

Name

Serve Human Services clients or carry out other supportive human service agency functions.

HMPSW - Human Services Program, Pre-Social Work Option, A.S.

General

Program Title

Human Services Program, Pre-Social Work Option, A.S.

Program Code

HMPSW

Program Description

The Human Services A.S. Pre-Social Work Option prepares students to transfer to a Bachelor of Social Work (BSW) program. The required coursework is designed to help students develop an understanding of human and social systems, as well as the ethics and values that guide human services practitioners in general and social workers in particular. Students learn through a combination of classroom work and fieldwork, spending 285 hours in human services agencies such as hospitals, mental health centers, social service agencies, substance-abuse counseling sites and other facilities.

Graduates of this program will be able to:

- Explain the history and philosophy of human services
- Utilize theoretical frameworks and empirical evidence to understand human development and the interactions among human systems - individuals, groups, families, organizations, communities, and societies
- Understand the conditions that promote or limit optimal human functioning
- Function effectively and appropriately within human services organizations to serve at-risk populations
- Analyze service problems, select appropriate interventions, and evaluate outcomes
- Utilize knowledge of organizational and social policies, human systems, the conditions that influence human functioning, evidence-based practices, and client-specific data to advocate on behalf of human service clients
- Apply the ethics, values, and attitudes that are necessary for successful human service practice
- Evaluate their own values, personalities, reaction patterns, interpersonal styles, and limitations

Requirements

Requirements

General Education: 32 Credits

As described in the [General Education](#) section of the catalog.

The following General Education courses are required:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [BIOL108 Human Biology](#) - Human Biology Credits: 4
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [MATH131 Statistics](#) - Statistics **or** [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4
- [POLI105 American National Government](#) - American National Government Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3

- [ENGL235 World Literature I](#) - World Literature I **or** [ENGL236 World Literature II](#) - World Literature II Credits: 3 (1)
- [HIST105 World Civilization I](#) - World Civilization I **or** [HIST106 World Civilization II](#) - World Civilization II Credits: 3 (1)

General Education Notes:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 28 Credits as Follows:

- [PSYC111 Intro to Human Services](#) - Introduction to Human Services Credits: 3
- [PSYC125 Intro to Addiction Studies](#) - Introduction to Addiction Studies Credits: 3
- [PSYC208 Life Span Development](#) - Life Span Development Credits: 3
- [PSYC212 Comm Agencies & Human Services](#) - Community Agencies and Human Services Systems Credits: 3
- [PSYC215 Counseling Techniques](#) - Counseling Techniques Credits: 3
- [PSYC216 Intro to Psychopathology](#) - Introduction to Psychopathology Credits: 3
- [PSYC235 Group Dynamics](#) - Group Dynamics Credits: 3
- [PSYC247 Quantitative Methods in Psych](#) - Quantitative Methods in Psychology Credits: 4
- [PSYC285 Human Service Practicum](#) - Human Services Practicum Credits: 3

Total Credits: 60

Suggested Sequence

The following is an example of how this degree may be completed in two years. The sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [PSYC111 Intro to Human Services](#) - Introduction to Human Services Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [PSYC125 Intro to Addiction Studies](#) - Introduction to Addiction Studies Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [PSYC208 Life Span Development](#) - Life Span Development Credits: 3
- [PSYC215 Counseling Techniques](#) - Counseling Techniques Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [ENGL235 World Literature I](#) - World Literature I **or** [ENGL236 World Literature II](#) - World Literature II Credits: 3 (1)

- [PSYC212 Comm Agencies & Human Services](#) - Community Agencies and Human Services Systems Credits: 3

Total Credits: 15

Semester 3: Fall Term

- [PSYC235 Group Dynamics](#) - Group Dynamics Credits: 3
- [POLI105 American National Government](#) - American National Government Credits: 3
- [SOC1101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- [MATH131 Statistics](#) - Statistics **or** [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4 (2)
- [HIST105 World Civilization I](#) - World Civilization I **or** [HIST106 World Civilization II](#) - World Civilization II Credits: 3 (1)

Total Credits: 16

Semester 4: Spring Term

- [PSYC247 Quantitative Methods in Psych](#) - Quantitative Methods in Psychology Credits: 4
- [PSYC285 Human Service Practicum](#) - Human Services Practicum Credits: 3
- [PSYC216 Intro to Psychopathology](#) - Introduction to Psychopathology Credits: 3
- [BIOL108 Human Biology](#) - Human Biology Credits: 4

Total Credits: 14

To learn more about the Human Services Program and Addiction Studies Option at Brookdale Community College, go to:

<https://www.brookdalecc.edu/academic-institutes-and-departments/business-social-sciences/psychology-human-services/human-services-option/>

Bachelor's Degree Through Brookdale

This is a preferred Associate degree for students planning to pursue a Bachelor's degree in Social Work. For information see [Dual Admissions](#), [University Partnerships](#) and [Agreement with Monmouth University](#).

Program Learning Outcomes

Name HMPSW - PLO 1	Outcome Explain the history and philosophy of human services.
Name HMPSW - PLO 2	Outcome Utilize theoretical frameworks and empirical evidence to understand human development and the interactions among human systems - individuals, groups, families, organizations, communities, and societies.
Name HMPSW - PLO 3	Outcome Understand the conditions that promote or limit optimal human functioning.

Name HMPSW - PLO 4	Outcome Function effectively and appropriately within human services organizations to serve at-risk populations.
Name HMPSW - PLO 5	Outcome Analyze service problems, select appropriate interventions, and evaluate outcomes.
Name HMPSW - PLO 6	Outcome Utilize knowledge of organizational and social policies, human systems, the conditions that influence human functioning, evidence-based practices, and client-specific data to advocate on behalf of human service clients
Name HMPSW - PLO 7	Outcome Apply the ethics, values, and attitudes that are necessary for successful human service practice.
Name HMPSW - PLO 8	Outcome Evaluate their own values, personalities, reaction patterns, interpersonal styles, and limitations.

HOSPM - Hospitality Management Program, A.S.

General

Program Title

Hospitality Management Program, A.S.

Program Code

HOSPM

Program Description

The Hospitality Management A.S. is a transfer program designed for students seeking a management position in the hospitality industry. This industry encompasses restaurants, hotels, event planning, theme parks, beach clubs, golf courses, resorts, cruise lines, casinos and sporting events. The program curricula includes coursework in business, management, marketing, and accounting in addition to hospitality courses in event planning, menu planning, travel and tourism and hotel operations. Monmouth County provides numerous opportunities for employment and advancement in the hospitality business. The objective of this program is to offer a new educational transfer program at Brookdale that provides career opportunities and aligns with local business and industry needs.

Graduates of this program will be able to:

- Apply hospitality industry terminology, concepts and businesses
- Demonstrate safe food handling and responsible alcohol service
- Demonstrate examples of exemplary customer service skills in servicing an industry with diverse customers
- Integrate legal principles regulating a hospitality operation and supervise and coordinate personnel in a hospitality operation
- Design and evaluate hospitality menus and events, employing control systems and technologies, practicing business ethics, and fiscal responsibility
- Develop skills needed to operate a hospitality based business
- Demonstrate effective team/interpersonal skills
- Demonstrate knowledge of global travel and tourism concepts

Requirements

General Education: 32-33 Credits:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4
- [ENVR107 Environmental Science](#) - Environmental Science Credits: 4
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [Humanities](#)- Any General Education foreign language course Credits: 3-4
- Any General Education [History](#) course Credits: 3
- [ECON106 Micro Economics](#) - Micro Economics Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Career Studies: 21 Credits as Follows:

- [HOSP105 Intro to Hospitality Mgmt](#) - Introduction to Hospitality Management Credits: 3
- [HOSP115 Menu Planning and Food Safety](#) - Menu Planning and Food Safety Credits: 3

- [HOSP215 Food and Beverage Management'](#) - Food and Beverage Management Credits: 3
- [HOSP225 Hotel and Operations Mgt](#) - Hotel and Operations Management Credits: 3
- [HOSP235 Catering and Event Planning](#) - Catering and Event Planning Credits: 3
- [HOSP245 Travel and Tourism](#) - Travel and Tourism Credits: 3
- [HOSP299 Hospitality Internship](#) - Hospitality Internship Credits: 3

Career Studies: 6 Credits From Among the Following:

- [ACCT101 Principles of Accounting I](#) - Principles of Accounting I Credits: 3
- [ACCT102 Principles of Accounting II](#) - Principles of Accounting II Credits: 3
- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [BUSI222 Business Law II](#) - Business Law II Credits: 3
- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [HOSP130 Intro to Sports Management](#) - Introduction to Sports Management Credits: 3
- [HOSP295 Special Project-Hospitality](#) - Special Project: Hospitality Credits: 1-3
- [HESC115 Nutrition and Health](#) - Nutrition and Health Credits: 3
- [MRKT101 Intro. to Marketing](#) - Introduction to Marketing Credits: 3
- [MRKT115 Social Media Marketing](#) - Social Media Marketing Credits: 3

Electives: 0-1 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following is an example of how this degree can be completed in two years. The sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [HOSP105 Intro to Hospitality Mgmt](#) - Introduction to Hospitality Management Credits: 3
- [HOSP115 Menu Planning and Food Safety](#) - Menu Planning and Food Safety Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [HOSP215 Food and Beverage Management'](#) - Food and Beverage Management Credits: 3
- [HOSP225 Hotel and Operations Mgt](#) - Hotel and Operations Management Credits: 3

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- Career Studies Credits: 3
- [Humanities](#) - Any General Education foreign language course Credits: 3-4

Total Credits: 15-16

Semester 3: Fall Term

- [HOSP235 Catering and Event Planning](#) - Catering and Event Planning Credits: 3
- Career Studies Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- Any General Education [History](#) course Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [HOSP245 Travel and Tourism](#) - Travel and Tourism Credits: 3
- [HOSP299 Hospitality Internship](#) - Hospitality Internship Credits: 3
- [ENVR107 Environmental Science](#) - Environmental Science Credits: 4
- [ECON106 Micro Economics](#) - Micro Economics Credits: 3
- Elective Credit: 0-1

Total Credits: 13-14

Program Learning Outcomes

Name HOSPM - PLO 1	Outcome Apply hospitality industry terminology, concepts and businesses.
Name HOSPM - PLO 2	Outcome Demonstrate safe food handling and responsible alcohol service.
Name HOSPM - PLO 3	Outcome Demonstrate examples of exemplary customer service skills in servicing an industry with diverse customers.
Name HOSPM - PLO 4	Outcome Integrate legal principles regulating a hospitality operation and supervise and coordinate personnel in a hospitality operation.
Name HOSPM - PLO 5	Outcome Design and evaluate hospitality menus and events, employing control systems and technologies, practicing business ethics, and fiscal responsibility.

Name HOSPM - PLO 6	Outcome Develop skills needed to operate a hospitality based business.
Name HOSPM - PLO 7	Outcome Demonstrate effective team/ interpersonal skills.
Name HOSPM - PLO 8	Outcome Demonstrate knowledge of global travel and tourism concepts.

HUART - Humanities Program, Art Option, A.A.

General

Program Title

Humanities Program, Art Option, A.A.

Program Code

HUART

Program Description

This option prepares the student for transfer to a four-year college or professional art school to major in the visual arts. It provides the core courses necessary for Bachelor's degree programs in art, art education, art therapy, illustrating, jewelry, ceramics design and manufacture, and commercial art. Graduates of this option may choose to find art-related work and receive on-the-job training.

Graduates of this program will be able to:

- Explain significant events in the history of art.
- Discuss the different techniques basic to the processes of artmaking.
- Develop an aesthetic sense in relation to the arts and culture.

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and listed below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- Humanities Credits: 9
- Social Sciences Credits: 6
- Mathematics/Science/Technological Competency Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- History Credits: 6
- Cultural and Global Awareness Credits: 3

Career Studies: 9 Credits as Follows:

- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [ARTS121 2-D Design](#) - 2-D Design Credits: 3
- [ARTH106 Art History: Ancient/Medieval](#) - History of Art: Ancient Through Medieval **or** [ARTH107 Art:Renaissance/Contemporary](#) - History of Art: Renaissance Through Contemporary Credits: 3 (1)

Career Studies: 3 Credits From Among the Following:

(6 credits if ARTH 106 or ARTH 107 are used to fulfill General Education requirements)

- [ARTC141 Digital Paint I](#) - Digital Paint I Credits: 3
- [ARTC142 Digital Paint II](#) - Digital Paint II Credits: 3
- [ARTS112 Drawing II](#) - Drawing II Credits: 3

- [ARTS122 Color Theory](#) - Color Theory Credits: 3
- [ARTS123 3-D Design](#) - 3-D Design Credits: 3 **
- [ARTS151 Ceramics I](#) - Ceramics I Credits: 3
- [ARTS152 Ceramics II](#) - Ceramics II Credits: 3
- [ARTS156 Sculpture I](#) - Sculpture I Credits: 3 *
- [ARTS161 Jewelry I](#) - Jewelry I Credits: 3
- [ARTS162 Jewelry II](#) - Jewelry II Credits: 3
- [ARTS213 Figure Drawing](#) - Figure Drawing Credits: 3
- [ARTS214 Figure Drawing II](#) - Figure Drawing II Credits: 3
- [ARTS231 Painting I](#) - Painting I Credits: 3
- [ARTS232 Painting II](#) - Painting II Credits: 3
- [ARTS233 Acrylic Painting](#) - Acrylic Painting Credits: 3
- [ARTS235 Watercolor](#) - Watercolor Credits: 3 ***

Elective Credits: 0-3

Total Credits Required for Degree: 60

Notes:

(1) Both ARTH106 and ARTH107 may be required from transfer. Consult your counselor.

*Offered Fall Term only

**Offered Spring Term only

***Offered Summer Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ARTS111 Drawing I](#) - Drawing I Credits: 3
- [ARTS121 2-D Design](#) - 2-D Design Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: Writing and Research Credits: 3

[Mathematics](#) Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- [ARTH106 Art History: Ancient/Medieval](#) - History of Art: Ancient Through Medieval or [ARTH107 Art:Renaissance/Contemporary](#) - History of Art: Renaissance Through Contemporary **or** Career Studies Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [History](#) Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [Social Sciences](#) Credits: 3
- [Humanities](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- [History](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name HUART - PLO 1	Outcome Explain significant events in the history of art.
Name HUART - PLO 2	Outcome Discuss the different techniques basic to the processes of artmaking.
Name HUART - PLO 3	Outcome Develop an aesthetic sense in relation to the arts and culture.

HUCRW - Humanities Program, Creative Writing Option, A.A.

General

Program Title

Humanities Program, Creative Writing Option, A.A.

Program Code

HUCRW

Program Description

This option provides the writing skills and general studies to establish a foundation in creative writing across genres with greater depth in genres of interest. It will prepare students for transfer to English, Literature, or Creative Writing programs at the four-year college level. The option also allows students to embrace their creativity and expand their minds, making them well positioned to envision and adapt to the careers of the future. This will prepare students for positions in fields where creative thinking and writing are of value such as developing web content, social media, gaming, marketing, advertising, journalism, publishing, education, and working as an author. Students interested in pursuing a BA, BFA, MFA, or PhD in Creative Writing will benefit from this option, and it would be of interest to general English and Literature majors as well.

Graduates of this program will be able to:

- Exhibit basic facility in at least two genres of creative writing
- Develop and show a portfolio of original creative work as well as scholarship on contemporary literature
- Deconstruct and discuss the use of craft elements specific to certain genres of writing
- Demonstrate familiarity with the protocols of publication both print and online.

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- Humanities Credits: 9
 - [ENGL158 Introduction to Literature](#) - Introduction to Literature Credits: 3
 - [Humanities \(H\)](#) Credits: 6
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits as Follows:

- Career Studies: 9 credits from the following:
 - [ENGL221 Intro to Creative Writing](#) - Intro to Creative Writing Credits: 3
 - [ENGL223 Poetry Writing Workshop](#) - Poetry Writing Workshop Credits: 3 **
 - [ENGL224 Fiction Writing Workshop](#) - Fiction Writing Workshop Credits: 3*
 - [ENGL227 Creative Non-Fiction Workshop](#) - Creative Non-Fiction Workshop Credits: 3 *
- Career Studies: 3 credits from the following:
 - [ENGL155 The Short Story](#) - The Short Story Credits: 3
 - [ENGL156 Introduction to Poetry](#) - Introduction to Poetry Credits: 3
 - [ENGL228 Screenwriting Basics Workshop](#) - Screenwriting Basics Workshop Credits: 3 **
 - [ENGL265 Children's Literature](#) - Children's Literature Credits: 3 *

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Career Studies Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- Career Studies Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)
- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3

- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [History](#) Credits: 3

Semester 4: Spring Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Notes:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name HUCRW - PLO 1	Outcome Exhibit basic facility in at least two genres of creative writing.
Name HUCRW - PLO 2	Outcome Develop and show a portfolio of original creative work as well as scholarship on contemporary literature.
Name HUCRW - PLO 3	Outcome Deconstruct and discuss the use of craft elements specific to certain genres of writing.
Name HUCRW - PLO 4	Outcome Demonstrate familiarity with the protocols of publication both print and online.

HUENG - Humanities Program, English Option, A.A.

General

Program Title

Humanities Program, English Option, A.A.

Program Code

HUENG

Program Description

The English Option is designed for transfer to a four-year college. With a focus on writing, communication, critical thinking, and independent research, four-year English graduates enter widely diverse professions and industries, among which may include teaching, law, tech, management, business, library and information sciences, marketing, copywriting, editing, and publishing. Students in this option explore both traditional and current forms of literature and digital texts, coupled with liberal arts studies.

Graduates of this program will be able to:

- Think and write critically about characteristics of traditional and non-traditional literary genres and forms, including digital media, within a cultural framework.
- Cultivate rhetorical skills to generate engaging discussion, interaction, commentary and evaluation of literary, cultural, and digital texts.
- Develop and employ vocabulary and methods of the major critical approaches to literature through written and oral communication.
- Conduct academic research and produce clear and effective written artifacts, including persuasive and analytical essays.

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits Required as Follows:

- Career Studies: 3 credits
 - [ENGL206 Approaches to Literary Studies](#) - Approaches to Literary Studies Credits: 3 **

- Career Studies: 3-6 credits from among the following:
 - [ENGL129 - Missing course](#) - Writing for Business and Social Media Credits: 3
 - [ENGL150 African-American Literature](#) - African-American Literature Credits: 3
 - [ENGL155 The Short Story](#) - The Short Story Credits: 3
 - [ENGL156 Introduction to Poetry](#) - Introduction to Poetry Credits: 3
 - [ENGL158 Introduction to Literature](#) - Introduction to Literature Credits: 3
 - [ENGL170 Introduction to Social Media](#) - Introduction to Social Media Credits: 3
 - [ENGL175 Women's Perspectives in Lit](#) - Women's Perspectives in Literature Credits: 3
 - [ENGL221 Intro to Creative Writing](#) - Creative Writing Credits: 3
 - [ENGL225 - Missing course](#) - Technical Writing Credits: 3 *
- Career Studies: 3-6 credits from among the following:
 - [ENGL229 Representing Gender](#) - Representing Gender Credits: 3 **
 - [ENGL231 British Literature I](#) - British Literature I: Beginnings to 18th Century Credits: 3 *
 - [ENGL232 British Literature II](#) - British Literature II: Romantic Era to The Modern Age Credits: 3 **
 - [ENGL235 World Literature I](#) - World Literature I Credits: 3
 - [ENGL236 World Literature II](#) - World Literature II Credits: 3
 - [ENGL245 American Literature I](#) - American Literature I Credits: 3
 - [ENGL246 American Literature II](#) - American Literature II Credits: 3
 - [ENGL247 The Literature of Bob Dylan](#) - The Literature of Bob Dylan Credits: 3
 - [ENGL265 Children's Literature](#) - Children's Literature Credits: 3 *
 - [ENGL266 Young Adult Literature](#) - Young Adult Literature: Books and the Adolescent Credits: 3
 - [ENGL275 Shakespeare's Plays](#) - Shakespeare's Plays Credits: 3
 - [ENGL295 Special Project - English](#) - Special Project: English Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on completion of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Career Studies Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3 (1)

Total Credits: 15-16

Semester 2: Spring Term

- Career Studies Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)
- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [ENGL206 Approaches to Literary Studies](#) - Approaches to Literacy Studies Credits: 3
- [Humanities](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- [Social Sciences](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits are required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Bachelor's Degree Through Brookdale

This is a preferred Associate degree for students planning to pursue a Bachelor's degree in English. For information see [Dual Admissions](#) or [University Partnerships](#).

HUENGOL - Humanities Program, English Option, A.A. Online

General

Program Title

Humanities Program, English Option, A.A. Online

Program Code

HUENGOL

Graduates of this program will be able to:

- Analyze and interpret texts from a variety of modes and genres
- Apply methods of major critical approaches to literature
- Produce original artifacts in a variety of rhetorical modes
- Conduct academic research that locates, evaluates, and utilizes scholarship

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits Required as Follows:

- Career Studies: 3 credits
 - [ENGL206 Approaches to Literary Studies](#) - Approaches to Literary Studies Credits: 3 **
- Career Studies: 3-6 credits from among the following:
 - [ENGL129 - Missing course](#) - Writing for Business and Social Media Credits: 3
 - [ENGL150 African-American Literature](#) Credits: 3
 - [ENGL155 The Short Story](#) Credits: 3
 - [ENGL156 Introduction to Poetry](#) Credits: 3
 - [ENGL158 Introduction to Literature](#) Credits: 3
 - [ENGL170 Introduction to Social Media](#) - Introduction to Social Media Credits: 3
 - [ENGL175 Women's Perspectives in Lit](#) Credits: 3

- [ENGL221 Intro to Creative Writing](#) - Creative Writing Credits: 3

- [ENGL225 - Missing course](#) Credits: 3 *

- Career Studies: 3-6 credits from among the following:
 - [ENGL229 Representing Gender](#) - Representing Gender Credits: 3 **
 - [ENGL231 British Literature I](#) - British Literature I: Beginnings to 18th Century Credits: 3 *
 - [ENGL232 British Literature II](#) - British Literature II: Romantic Era to The Modern Age Credits: 3 **
 - [ENGL235 World Literature I](#) Credits: 3
 - [ENGL236 World Literature II](#) - World Literature II Credits: 3
 - [ENGL245 American Literature I](#) Credits: 3
 - [ENGL246 American Literature II](#) - American Literature II Credits: 3
 - [ENGL247 The Literature of Bob Dylan](#) - The Literature of Bob Dylan Credits: 3
 - [ENGL265 Children's Literature](#) - Children's Literature Credits: 3 *
 - [ENGL266 Young Adult Literature](#) Credits: 3
 - [ENGL275 Shakespeare's Plays](#) Credits: 3
 - [ENGL295 Special Project - English](#) - Special Project: English Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on completion of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Career Studies Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3 (1)

Total Credits: 15-16

Semester 2: Spring Term

- Career Studies Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics](#) or [Science](#) Credits: 3-4 (1)

- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [SPCH115 Public Speaking](#) Credits: 3
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [ENGL206 Approaches to Literary Studies](#) - Approaches to Literacy Studies Credits: 3
- [Humanities](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- [Social Sciences](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits are required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Bachelor's Degree Through Brookdale

This is a preferred Associate degree for students planning to pursue a Bachelor's degree in English. For information see [Dual Admissions](#) or [University Partnerships](#).

HUGDS - Humanities Program, Graphic Design Option, A.A.

General

Program Title

Humanities Program, Graphic Design Option, A.A.

Program Code

HUGDS

Program Description

Students who wish to transfer with majors in graphic design should select this option which combines general education and basic production courses. The option prepares students to transfer to four-year programs which allow them to enter design fields such as corporate design, illustration, graphic design, typography, corporate identity and others.

Graduates of this program will be able to:

- Apply the meaning of corporate identity
- Apply the principles of good illustration
- Demonstrate graphic design
- Apply typography

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits as Follows

- [GRPH101 Typography I](#) - Typography I Credits: 3
- [GRPH102 Typography II](#) - Typography II Credits: 3
- [GRPH204 Graphic Design Production](#) - Graphic Design Production Credits: 3
- [GRPH216 Graphic Design Techniques](#) - Graphic Design Techniques Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [GRPH101 Typography I](#) - Typography I Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- [GRPH102 Typography II](#) - Typography II Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [History](#) Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- [GRPH204 Graphic Design Production](#) - Graphic Design Production Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [GRPH216 Graphic Design Techniques](#) - Graphic Design Techniques Credits: 3
- [Humanities](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3 (2)
- [Social Sciences](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Notes:

(1) A minimum of 12 credits are required from the [Mathematics, Science](#) or [Technological Competency](#) knowledge areas.

(2) One course is required from the [Cultural and Global Awareness](#) knowledge area. Students may meet the requirement while simultaneously fulfilling the [General Education](#) requirement for another knowledge area.

Program Learning Outcomes

Name HUGDS - PLO 1	Outcome Apply the meaning of corporate identity.
Name HUGDS - PLO 2	Outcome Apply the principles of good illustration.
Name HUGDS - PLO 3	Outcome Demonstrate graphic design.
Name HUGDS - PLO 4	Outcome Apply typography.

HUJOU - Humanities Program, Journalism Option, A.A.

General

Program Title

Humanities Program, Journalism Option, A.A.

Program Code

HUJOU

Program Description

This option provides the writing skills and general studies necessary for transfer to a four-year college to prepare for various positions in writing and publishing, such as reporter, editor, researcher, special-interest writer, book reviewer. Skills learned in journalism are helpful for careers in advertising, law, public relations and business.

Graduates of this program will be able to:

- Stay current on the ever-growing journalism industry and the convergence of various media types
- Explain how a story grows or changes depending upon the medium reporting the news
- Demonstrate an understanding of what constitutes good, fair and unbiased journalism and use critical thinking skills to determine when these standards are being violated
- Gather news and evaluate the credibility of news sources
- Perform basic interviewing techniques
- Follow a journalistic writing style, such as AP, to write impact-driven, concise and precise stories in a variety of formats, such as spot news, features, editorials, and reviews
- Analyze and synthesize notes and other sources to create unbiased news reports and well-argued critiques and editorials

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communication Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 6 Credits as Follows:

- [JOUR101 Intro. to Journalism](#) - Introduction to Journalism Credits: 3
- [JOUR201 Journalism II](#) - Journalism II Credits: 3

Career Studies: 6 Credits From Among the Following:

- [COMM101 Introduction to Communication](#) - Introduction to Communication Credits: 3
- [COMM102 Communication Media](#) - Communication Media Credits: 3
- [COMM106 Intro to Public Relations](#) - Introduction to Public Relations Credits: 3
- [JOUR295 Special Project - Journalism](#) - Special Project - Journalism Credits: 1-6
- [JOUR299 Journalism Internship](#) - Journalism Internship Credits: 1-6
- [RDIO101 Intro to Radio and Podcasting](#) - Introduction to Radio Credits: 3
- [TELV121 TV Production](#) - Television Production Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on completion of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [JOUR101 Intro. to Journalism](#) - Introduction to Journalism Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 16

Semester 2: Spring Term

- [JOUR201 Journalism II](#) - Journalism II Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics](#) or [Science](#) Credits: 4 (1)
- [History](#) Credits: 3

Total Credits: 13

Semester 3: Fall Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3

- [Cultural and Global Awareness](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Notes:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name HUJOU - PLO 1	Outcome Stay current on the ever-growing journalism industry and the convergence of various media types.
Name HUJOU - PLO 2	Outcome Explain how a story grows or changes depending upon the medium reporting the news.
Name HUJOU - PLO 3	Outcome Demonstrate an understanding of what constitutes good, fair and unbiased journalism and use critical thinking skills to determine when these standards are being violated.
Name HUJOU - PLO 4	Outcome Gather news and evaluate the credibility of news sources.
Name HUJOU - PLO 5	Outcome Perform basic interviewing techniques.
Name HUJOU - PLO 6	Outcome Follow a journalistic writing style, such as AP, to write impact-driven, concise and precise stories in a variety of formats, such as spot news, features, editorials, and reviews
Name HUJOU - PLO 7	Outcome Analyze and synthesize notes and other sources to create unbiased news reports and well-argued critiques and editorials.

HULAR - Humanities Program, Liberal Arts Option, A.A.

General

Program Title

Humanities Program, Liberal Arts Option, A.A.

Program Code

HULAR

Program Description

This option is designed for the student who is planning to transfer to a four-year institution and for the student who desires two years of collegiate liberal education. There is flexibility in course selection enabling students to select courses that meet requirements of their desired transfer institution and/or explore personal interests.

Graduates of this program will be able to:

- Communicate effectively in both speech and writing
- Analyze works in the fields of art, graphic design, communications media, dance, English, Journalism, music, speech, theater, and/or gain competence in the use of a foreign language
- Recognize the importance of a global perspective and culturally diverse people
- Examine ethical issues and situations
- Understand the vocabulary, methods, and the major concepts explored within the Humanities

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and listed below:

- [Communications](#) Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Science](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Sciences](#) (1 lab science course required) Credits 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits

From selected courses in Art, Graphic Design, Communications Media, Dance, English, Journalism, Languages, Music, Speech, Theater, and [CSCC105 College Success & Career Explor.](#) (Note: 200 level course selected from career studies option is recommended.)

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on completion of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Career Studies Credits: 3
- Mathematics/Sciences/Technological Competency Credits: 0-4 (1)
- ENGL121 English Comp: Writing Process - Writing Composition: The Writing Process Credits: 3
- Humanities Credits: 3
- Mathematics Credits: 3-4 (1)

Total Credits: 14-17

Semester 2: Spring Term

- Career Studies Credits: 3
- ENGL122 Engl Comp: Writing & Research - English Composition: Writing and Research Credits: 3
- Mathematics or Science Credits: 3-4 (1)
- History Credits: 3
- Social Science Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- Communications Credits: 3
- Humanities Credits: 3
- Sciences (with lab) Credits: 4 (1)
- History Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- Cultural and Global Awareness Credits: 3
- Humanities Credits: 3
- Social Science Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the Mathematics, Science or Technological Competency knowledge areas.

Program Learning Outcomes

Name HULAR - PLO 1	Outcome Communicate effectively in both speech and writing.

Name HULAR - PLO 2	Outcome Analyze works in the fields of art, graphic design, communications media, dance, English, Journalism, music, speech, theater, and/or gain competence in the use of a foreign language.

Name HULAR - PLO 3	Outcome Recognize the importance of a global perspective and culturally diverse people.

Name HULAR - PLO 4	Outcome Examine ethical issues and situations.

Name HULAR - PLO 5	Outcome Understand the vocabulary, methods, and the major concepts explored within the Humanities.

HULAROL - Humanities Program, Liberal Arts, A.A. Online

General

Program Title
Humanities Program, Liberal Arts, A.A. Online

Program Code
HULAROL

Program Description
This option is designed for the student who is planning to transfer to a four-year institution and for the student who desires two years of collegiate liberal education. There is flexibility in course selection enabling students to select courses that meet requirements of their desired transfer institution and/or explore personal interests.

Graduates of this program will be able to:
- Communicate effectively in both speech and writing
- Analyze works in the fields of art, music, or theater; literature; philosophy and/or religious studies; and/or gain competence in the use of a foreign language
- Recognize the importance of a global perspective and culturally diverse people
- Examine ethical issues and situations

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and listed below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) Credits: 3
 - [SPCH115 Public Speaking](#) Credits: 3
- [Humanities](#) Credits: 9
- [Social Science](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Sciences](#) (1 lab science course required) Credits 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits

From selected courses in Art, Graphic Design, Communications Media, Dance, English, Journalism, Languages, Music, Speech, Theater, and [CSSC105 College Success & Career Explo.](#) (Note: 200 level course selected from career studies option is recommended.)

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on completion of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An

individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Career Studies Credits: 3
- [Mathematics/Sciences/Technological Competency](#) Credits: 0-4 (1)
- [ENGL121 English Comp: Writing Process](#) Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)

Total Credits: 14-17

Semester 2: Spring Term

- Career Studies Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) Credits: 3
- [Mathematics](#) or [Science](#) Credits: 3-4 (1)
- [History](#) Credits: 3
- [Social Science](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [Communications](#) Credits: 3
- [Humanities](#) Credits: 3
- [Sciences](#) (with lab) Credits: 4 (1)
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- [Humanities](#) Credits: 3
- [Social Science](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name	Outcome
HULAROL - PLO 1	Communicate effectively in both speech and writing.

Name HULAROL - PLO 2	Outcome Analyze works in the fields of art, music, or theater; literature; philosophy and/or religious studies; and/or gain competence in the use of a foreign language.

Name HULAROL - PLO 3	Outcome Recognize the importance of a global perspective and culturally diverse people.

Name HULAROL - PLO 4	Outcome Examine ethical issues and situations.

HULARU - Humanities Program, Liberal Arts Undecided Track

General

Program Title

Humanities Program, Liberal Arts Undecided Track

Program Code

HULARU

Program Description

This option is designed for the 'undecided' student who may be considering transfer to a four-year institution. While there is considerable freedom in course selection, students who are exploring academic and career paths through this program will take the CSSC-105 "College Success and Career Exploration" course within their first year for assistance in their decision-making. This could result in a change of major for most students in this program. If students have not selected another program of study after completing 30 credits, the 'undecided' designation will be dropped and students will become Liberal Arts majors under the Humanities, Liberal Arts option program (though they may change their program after that time if Liberal Arts is not their desired path).

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and listed below:

- [Communications Credits: 9](#)
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities Credits: 9](#)
- [Social Science Credits: 6](#)
- [Mathematics/Science/Technological Competency Credits: 12](#)
 - [Mathematics Credits: 3-8](#)
 - [Sciences](#) (1 lab science course required) Credits 4-8
 - [Technological Competency Credits: 0-4](#)
- [History Credits: 6](#)
- [Cultural and Global Awareness Credits: 3](#)

Career Studies: 12 Credits

- [CSSC105 College Success & Career Explo](#) - College Success Seminar Credits: 3
- 9 credits from selected courses in Art, Graphic Design, Communications Media, Dance, English, Journalism, Languages, Music, Speech, Theater.

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on completion of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Career Studies Credits: 3
- Mathematics/Sciences/Technological Competency Credits: 0-4 (1)
- ENGL121 English Comp: Writing Process - Writing Composition: The Writing Process Credits: 3
- Humanities Credits: 3
- Mathematics Credits: 3-4 (1)

Total Credits: 14-17

Semester 2: Spring Term

- Career Studies Credits: 3
- ENGL122 Engl Comp: Writing & Research - English Composition: Writing and Research Credits: 3
- Mathematics or Science Credits: 3-4 (1)
- History Credits: 3
- Social Science Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- Communications Credits: 3
- Humanities Credits: 3
- Sciences (with lab) Credits: 4 (1)
- History Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- Cultural and Global Awareness Credits: 3
- Humanities Credits: 3
- Social Science Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the Mathematics, Science or Technological Competency knowledge areas.

HULIB - Humanities Program, Liberal Education Option, A.A.

General

Program Title

Humanities Program, Liberal Education Option, A.A.

Program Code

HULIB

Program Description

This option is designed for the student who is planning to transfer to a four-year institution and for the student who desires two years of collegiate liberal education. There is considerable freedom in course selection. Aptitude and interest testing is available from a counselor to help the student make a career choice.

HUMED - Humanities Program, Media Studies Option, A.A.

General

Program Title

Humanities Program, Media Studies Option, A.A.

Program Code

HUMED

Program Description

Students who wish to transfer to four-year communications degree programs should choose this option. Mass media theory and production courses are coupled with liberal arts. Four-year graduates may enter such positions as television producer/director, corporate communications specialist, media specialist and communication researcher/analyst.

Graduates of this program will be able to:

- Apply basic concepts about the history, theories, social effects, terminology and aesthetics of communication
- Apply concepts to the analysis of media content
- Investigate and synthesize information on topics and questions related to course concepts
- Demonstrate basic knowledge of related video and audio recording and editing equipment

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematic](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 6 Credits as Follows:

- [COMM101 Introduction to Communication](#) - Introduction to Communication Credits: 3
- [COMM102 Communication Media](#) - Communication Media Credits: 3

Career Studies: 6 Credits From the Following:

- Theory
 - [CINE105 Film Appreciation](#) - Film Appreciation Credits: 3

- [TEL115 TV Aesthetics and Analysis](#) - TV Aesthetics and Analysis Credits: 3
- [JOUR101 Intro. to Journalism](#) - Introduction to Journalism Credits: 3
- [RDIO101 Intro to Radio and Podcasting](#) - Introduction to Radio Credits: 3

• Video Production

- [TEL121 TV Production](#) - Television Production Credits: 3
- [TEL122 Digital Video Production](#) - Digital Video Production Credits: 3

• Audio Recording

- [COMM115 Audio in Media](#) - Audio in Media Credits: 3
- [COMM216 Adv Digital Audio/Music Record](#) - Advanced Digital Audio/Musical Recording Credits: 3

• Broadcasting

- [RDIO101 Intro to Radio and Podcasting](#) - Introduction to Radio Credits: 3
- [COMM125 Sports Broadcasting](#) - Sports Broadcasting Credits: 3

• Cinema Studies

- [CINE105 Film Appreciation](#) - Film Appreciation Credits: 3
- [CINE115 Film Genres](#) - Film Genres Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Note:

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [COMM101 Introduction to Communication](#) - Introduction to Communication Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematic](#) Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- [COMM102 Communication Media](#) - Communication Media Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematic](#) or [Science](#) Credits: 3-4 (1)

- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name HUMED - PLO 1	Outcome Apply basic concepts about the history, theories, social effects, terminology and aesthetics of communication.
Name HUMED - PLO 2	Outcome Apply concepts to the analysis of media content.
Name HUMED - PLO 3	Outcome Investigate and synthesize information on topics and questions related to course concepts.
Name HUMED - PLO 4	Outcome Demonstrate basic knowledge of related video and audio recording and editing equipment.

HUMPR - Humanities Program, Multimedia Production Option, A.A.

General

Program Title

Humanities Program, Multimedia Production Option, A.A.

Program Code

HUMPR

Program Description

This option will prepare students for transfer to four-year institutions that offer Bachelors' degrees in Multimedia or Audio/Video Production. Students will gain a multifaceted skillset in pre-production, production, and post-production. In this program students will work as content creators for the College Radio Station, 90.5 The Night. Students will attend cultural and social events around the county and at Brookdale Community College to produce multimedia content that may be used on the station website or on the air.

Graduates of this program will be able to:

- Create high quality and aesthetically pleasing web-based audio, video, and social media content that conform to design principles and industry standards.
- Develop targeted messages and use industry-standard tools to create, manage, and communicate a message using appropriate formats, channels, and messaging techniques, working in either a collaborative environment or while working independently.
- Demonstrate good "soft skills" and employ good business and technology practices to evaluate project needs and resources, manage project workflows and deliverables, and market finished content.

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and listed below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- Humanities Credits: 9

Required: [CINE105 Film Appreciation](#) - Film Appreciation Credits: 3

Recommended: [HUMN125 The Creative Process](#) - The Creative Process Credits: 3, [PHIL227 Introduction to Ethics](#) - Introduction to Ethics Credits: 3
- Social Science Credits: 6

Recommended (6 credits from): [POLI101 Intro to Political Science](#) - Introduction to Political Science Credits: 3, [PSYC106 Intro to Psych II](#) - Introduction to Psychology II Credits: 3, [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- Mathematics/Science/Technological Competency Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Sciences](#) (1 lab science course required) Credits 4-8
 - [Technological Competency](#) Credits: 0-4
- History Credits: 6

- Recommended: [HIST107 Contemporary World History](#) - Contemporary World History Credits: 3 or [HIST137 Recent American History](#) - Recent American History Credits: 3
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 15 Credits as follows

- [DGMD101 Introduction to Digital Media](#) - Introduction to Digital Media Credits: 3
- [TELV122 Digital Video Production](#) - Digital Video Production Credits: 3
- [RDIO101 Intro to Radio and Podcasting](#) - Introduction to Radio and Podcasting Credits: 3
- [PHTY120 Digital Photography I](#) - Digital Photography I Credits: 3
- [COMM228 Multimedia Production Capstone](#) - Multimedia Production Capstone Credits: 3

Total Credits Required for Degree: 60

HUMUS - Humanities Program, Music Option, A.A.

General

Program Title
Humanities Program, Music Option, A.A.

Program Code
HUMUS

Program Description
Students in this option will complete courses in the fundamentals of music and applied music (voice, piano, and/or guitar). Additional courses will provide the student with historical and stylistic understanding of a wide-ranging musical repertory.

Graduates of this program will be able to:
Graduates of this program will be able to sight-read music of medium-to-advanced difficulty on their chosen instrument (voice, piano, or guitar) in a jury setting with the Music Department Chair. Graduates will also be able to demonstrate a knowledge of significant musical styles.

Simple Requisites

Requirements
Career Studies: 12 Credits Type Completion Requirement 6-9 credits as follows: Complete course(s) and earn 6 - 9 credits from the following: • MUSI101 - Fundamentals of Music • MUSI191 - Group Piano I MUSI101 Fundamentals of Music - A placement test is offered. If a student passes the placement test, they may progress to MUSI 191 (Group Piano 1). MUSI191 Group Piano I - A placement test is offered. If a student passes the placement test, they may progress to the following Career Studies courses to satisfy the 12-credit Career Studies requirements.
3-6 credits from among the following: Complete course(s) and earn 3 - 6 credits from the following: • MUSI115 - History of Classical Music • MUSI192 - Group Piano II • MUSI193 - Group Piano III • MUSI151 - Voice I • MUSI152 - Voice II • MUSI251 - Voice III • MUSI252 - Voice IV • MUSI161 - Group Guitar I • MUSI162 - Group Guitar II
Electives 0-3 Credits Type Completion Requirement Complete course(s) and earn up to 3 credits from the following: • MUSI102 - Music Theory/Songwriting 1 • MUSI201 - Music Theory/Songwriting 2

- MUSI103 - Ear Training

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9, including HUMN 125 (The Creative Process).
- [Social Sciences](#) Credits: 2
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3 MUSI 116 (The History of Jazz)

Career Studies: 12 Credits

- 6-9 credits as follows:
 - MUSI 101 (Fundamentals of Music). A placement test is offered.

If a student passes the placement test, they may progress to MUSI 191 (Group Piano 1).
 - MUSI 191 (Group Piano 1). A placement test is offered. If a student passes the placement test, they may progress to the following courses below to satisfy the 12-credit Career Studies requirements.
- 3-6 credits from among the following:
 - General Music
 - [MUSI115 History of Classical Music](#) - History of Classical Music Credits: 3
 - Piano
 - [MUSI192 Group Piano II](#) - Group Piano II Credits: 3
 - [MUSI193 Group Piano III](#) - Group Piano III Credits: 3
 - Voice
 - [MUSI151 Voice I](#) - Voice I Credits: 3
 - [MUSI152 Voice II](#) - Voice II Credits: 3
 - [MUSI251 Voice III](#) - Voice III Credits: 3

- [MUSI252 Voice IV](#) - Voice IV Credits: 3
Note: Group Voice 2-4 require participation in the Brookdale Concordia Chorale.

- Guitar/Instrumental

- [MUSI161 Group Guitar I](#) - Group Guitar I Credits: 3
- [MUSI162 Group Guitar II](#) - Group Guitar II Credits: 3

Electives: 0-3 Credits chosen from [MUSI102 Music Theory/Songwriting 1](#) (Music Theory/Songwriting 1, MUSI201 (Music Theory/Songwriting 2), or [MUSI103 Ear Training](#) (Ear Training).

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Career Studies Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- Career Studies Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)
- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3

- [Cultural and Global Awareness](#) Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits are required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name HUMUS - PLO 1	Outcome Graduates of this program will be able to sight-read music of medium-to-advanced difficulty on their chosen instrument (voice, piano, or guitar) in a jury setting with the Music Department Chair. Graduates will also be able to demonstrate a knowledge of significant musical styles.

HUPBR - Humanities Program, Public Relations Option, A.A.

General

Program Title

Humanities Program, Public Relations Option, A.A.

Program Code

HUPBR

Program Description

Designed for transfer, this option combines communication/mass media courses with liberal arts requirements. Bachelor's degree graduates may take such positions as communications specialist, public relations specialist, copywriter for news and media releases, advertising worker, community relations specialist, lobbyist, speech writer and media advisor.

Graduates of this program will be able to:

- Evaluate their potential success in public relations through a broad examination of the topic
- Demonstrate understanding of the definition, history, function, tools, and techniques of public relations
- Investigate the characteristics of the practitioner, organizational structures, and job opportunities
- Practice the necessary skills and meet practicing professionals

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [Communications](#) Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits as Follows:

- [COMM101 Introduction to Communication](#) - Introduction to Communication Credits: 3
- [COMM102 Communication Media](#) - Communication Media Credits: 3
- [COMM106 Intro to Public Relations](#) - Introduction to Public Relations Credits: 3 *
- [JOUR101 Intro. to Journalism](#) - Introduction to Journalism Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Note:

*Offered Fall Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- COMM101 Introduction to Communication - Introduction to Communication Credits: 3
- Mathematics/Science/Technological Competency Credits: 3-4 (1)
- ENGL121 English Comp: Writing Process - English Composition: The Writing Process Credits: 3
- Humanities Credits: 9
- Mathematics Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- COMM102 Communication Media - Communication Media Credits: 3
- ENGL122 Engl Comp: Writing & Research - English Composition: Writing and Research Credits: 3
- History Credits: 3
- Mathematics or Science Credits: 3-4 (1)
- Social Sciences Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- COMM106 Intro to Public Relations - Introduction to Public Relations Credits: 3
- Humanities Credits: 3
- Science (with lab) Credits: 4 (1)
- SPCH115 Public Speaking - Public Speaking Credits: 3
- History Credits: 3

Total Credits: 16

Semester 4: Spring Term

- JOUR101 Intro. to Journalism - Introduction to Journalism Credits: 3
- Cultural and Global Awareness Credits: 3
- Humanities Credits: 3
- Social Sciences Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the Mathematics, Science or Technological Competency knowledge areas.

Program Learning Outcomes

Name HUPBR - PLO 1	Outcome Evaluate their potential success in public relations through a broad examination of the topic.
Name HUPBR - PLO 2	Outcome Demonstrate understanding of the definition, history, function, tools, and techniques of public relations.
Name HUPBR - PLO 3	Outcome Investigate the characteristics of the practitioner, organizational structures, and job opportunities.
Name HUPBR - PLO 4	Outcome Practice the necessary skills and meet practicing professionals.

HUPHT - Humanities Program, Photography Option, A.A.

General

Program Title

Humanities Program, Photography Option, A.A.

Program Code

HUPHT

Program Description

This option should be selected by the student who wishes to transfer with a major in photography. Theoretical and applied photography courses coupled with liberal arts prepare the student to transfer and prepare for employment as photographic artists, photo-journalists, photo-illustrators, photo lab technicians, commercial or medical photographers.

Graduates of this program will be able to:

- Demonstrate a mastery of basic and intermediate photographic principles and techniques
- Evaluate photographic images based on technical and artistic quality
- Think critically about the documentary, aesthetic, and metaphoric potential of the photographic medium
- Explain the history and impact of photography on society and the arts
- Distinguish between photographers of historic and artistic significance
- Demonstrate the ability to utilize the photographic medium as a means of communication and personal expression

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [PHTY105 Photography: Hist & Aesthetics](#) - The History and Aesthetics of Photography Credits: 3
- [Humanities](#) Credits: 6
- [Social Sciences](#) Credits: 6
- [History](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) with Lab Credits: 4
 - [Technological Competency](#) Credits: 0-4 (1)
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits as Follows:

- 9 credits as follows:
 - [PHTY111 Photography I -Film & Darkroom](#) - Photography I: Film and Darkroom Credits: 3
 - [PHTY120 Digital Photography I](#) - Digital Photography I Credits: 3

- [PHTY212 - Missing course](#) - Photography II: Film and Darkroom [or](#) [PHTY225 Digital Photography II](#) - Digital Photography II Credits: 3

- 3 credits from among the following:

- [PHTY216 Portfolio Development](#) - Portfolio Development Credits: 3

[PHTY295 Special Project - Photography](#) - Special Project: Photography Credits: 1-6

Elective: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [PHTY105 Photography: Hist & Aesthetics](#) - The History and Aesthetics of Photography Credits: 3
- [PHTY111 Photography I -Film & Darkroom](#) - Photography I: Film and Darkroom Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)

Total Credits: 15-16

Semester 2: Spring Term

- [PHTY120 Digital Photography I](#) - Digital Photography I Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- [Career Studies](#) Credits: 3
- [History](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)

Total Credits: 16-17

Semester 4: Spring Term

- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- [Humanities](#) Credits: 3

- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name HUPHT - PLO 1	Outcome Demonstrate a mastery of basic and intermediate photographic principles and techniques.

Name HUPHT - PLO 2	Outcome Evaluate photographic images based on technical and artistic quality.

Name HUPHT - PLO 3	Outcome Think critically about the documentary, aesthetic, and metaphoric potential of the photographic medium.

Name HUPHT - PLO 4	Outcome Explain the history and impact of photography on society and the arts.

Name HUPHT - PLO 5	Outcome Distinguish between photographers of historic and artistic significance.

Name HUPHT - PLO 6	Outcome Demonstrate the ability to utilize the photographic medium as a means of communication and personal expression.

HUTHT - Humanities Program, Theater Option, A.A.

General

Program Title

Humanities Program, Theater Option, A.A.

Program Code

HUTHT

Program Description

Students who wish to specialize in acting should select this option. Upon successful completion of the option, students will be prepared for the rigors of a Bachelor of Arts, Bachelor of Fine Arts, or their immediate entry into the market place. This option provides a student the necessary skills to pursue a career in acting. The student will focus on and develop fundamental and advanced acting skills through exposure to improvisation, scene study, basic and advanced character development, movement and auditioning techniques. The skills students develop in this option will prove valuable in career fields such as sales, government, public relations and broadcasting.

Graduates of this program will be able to:

- Communicate effectively through oral, physical, and aesthetic interpretation and interaction with the text, cast, and audience.
- Apply basic principles of stage performance, design, and technical skills through the knowledge of the history, traditions, and literary richness of theater.
- Research and organize the text to clearly, critically and creatively make logical decisions and choices on character development
- Evaluate information from a variety of sources for efficient and effective creative expression
- Apply advanced principles of stage performance.

Requirements

Requirements

General Education: 45 Credits

As described in the [General Education](#) section of the catalog and as identified below.

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
 - The following Humanities General Education course is **REQUIRED**:
 - [THTR105 Theater Appreciation](#) - Theater Appreciation Credits: 3
 - [Social Sciences](#) Credits: 6
 - [Mathematics/Science/Technological Competency](#)
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits as Followed:

- [THTR111 Acting I](#) - Acting I Credits: 3
- [THTR112 Acting II](#) - Acting II Credits: 3
- [THTR213 Acting III](#) - Acting III Credits: 3
- [THTR222 Acting IV: Auditioning](#) - Acting IV: Auditioning Credits: 3

Career Studies: 3 Credits From Among the Following:

- [THTR121 Basic Directing](#) - Basic Directing Credits: 3
- [THTR145 Technical Theater I](#) - Technical Theater I Credits: 3

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [THTR111 Acting I](#) - Acting I Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Mathematics](#) Credits: 3-4 (1)
- [Social Sciences](#) Credits: 3
- [THTR105 Theater Appreciation](#) - Theater Appreciation Credits: 3

Total Credits: 15-16

Semester 2: Spring Term

- [THTR112 Acting II](#) - Acting II Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)
- [Humanities](#) Credits: 3-4
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- [THTR213 Acting III](#) - Acting III Credits: 3
- [Science](#) (with lab) Credits: 3 (1)
- [Humanities](#) Credits: 4
- [History](#) Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)

Total Credits: 16-17

Semester 4: Spring Term

- [THTR222 Acting IV: Auditioning](#) - Acting IV: Auditioning Credits: 3
- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3

Total Credits: 12

Sequence Note:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name HUTHT - PLO 1	Outcome Communicate effectively through oral, physical, and aesthetic interpretation and interaction with the text, cast, and audience.
Name HUTHT - PLO 2	Outcome Apply basic principles of stage performance, design, and technical skills through the knowledge of the history, traditions, and literary richness of theater.
Name HUTHT - PLO 3	Outcome Research and organize the text to clearly, critically and creatively make logical decisions and choices on character development.
Name HUTHT - PLO 4	Outcome Evaluate information from a variety of sources for efficient and effective creative expression.
Name HUTHT - PLO 5	Outcome Apply advanced principles of stage performance.

INTDS - Interior Design Program, A.A.S.

General

Program Title

Interior Design Program, A.A.S.

Program Code

INTDS

Program Description

This program provides intensive, job-focused education in order to prepare students for entry-level positions in Interior Design. Career studies courses will provide training in the following categories: manual and computer-aided drafting skills, two- and three-dimensional visualization skills, space planning, universal design concepts, lighting and building systems, codes, historical developments in the built environment, trade information and business practices. Separate policies exist for the Interior Design program, including grading. These policies can be found on the Interior Design web site.

Graduates of this program will be able to:

- Compare and contrast the implications of the historical development of architecture, furniture, and interiors
- Apply elements and principles of design
- Create interior design drawings using both manual and computer-aided drafting techniques and documents necessary for the completion of a design project
- Select appropriate interior finishes and furnishings based on performance criteria and applicable codes and standards
- Apply appropriate codes, regulations, and standards that pertain to interior environments

Requirements

Requirements

General Education: 20 Credits

As described in the [General Education](#) section of the catalog identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking **or** [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) or [Social Sciences](#) Credits: 3-4 *
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- Any [General Education](#) Credits: 8

General Education Notes:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

The following course are **highly** recommended:

- [SPCH115 Public Speaking](#) - Public Speaking
- [ARTH107 Art:Renaissance/Contemporary](#) - History of Art: Renaissance Through Contemporary
- [ANTH106 Cultures of the World](#) - Cultures of the World
- [ENVR107 Environmental Science](#) - Environmental Science
- [MATH131 Statistics](#) - Statistics (1)

(1) MATH131 is required for transfer to KEAN

Career Studies: 40 Credits as Follows:

A grade of "C" is required in all career studies courses

- [ARCH151 Architectural Construction I](#) - Architectural Construction I Credits: 3
- [INTD150 Design Elements](#) - Design Elements for Interior Environments Credits: 3 *
- [INTD152 Drafting&Grphic Pres for ID](#) - Drafting and Graphic Presentation for Interior Design Credits: 3
- [INTD153 Drawing Tech in Digital Media](#) - Drawing Techniques in Digital Media Credits: 3 **
- [INTD154 Intro to Interior Design Studio](#) - Introduction to Interior Design Studio Credits: 3
- [INTD163 History of Furniture & Interio](#) - History of Furniture and Interiors Credits: 3 *
- [INTD245 Codes & Standards for Interior](#) - Codes and Standards for Interiors Credits: 3 *
- [INTD251 CAD for Interior Design](#) - CAD for Interior Design Credits: 3
- [INTD253 Interior Design Studio I](#) - Interior Design Studio I Credits: 3 *
- [INTD254 Interior Design Studio II](#) - Interior Design Studio II Credits: 3 **
- [INTD256 Lighting & Bldg. Sys. for ID](#) - Lighting and Bldg Systems for Interiors Credits: 3 **
- [INTD257 Textiles & Materials for IntD](#) - Textiles & Materials for Interior Design Credits: 3 *
- [INTD258 Trade Info & Portfolio Dev't](#) - Trade Information and Portfolio Development Credits: 3 **
- [INTD299 Internship - Interior Design](#) - Internship: Interior Design Credits: 1-3

Total Credits Required for Degree: 60

Notes:

PLEASE NOTE: Students wishing to sit for the NCIDQ exam will need a total of 60 credits in career studies in addition to their work experience. Successful completion of the NCIDQ exam is required for interior design certification in the State of New Jersey.

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [INTD150 Design Elements](#) - Design Elements for Interior Environments Credits: 3
- [INTD152 Drafting&Grphic Pres for ID](#) - Drafting and Graphic Presentation for Interior Design Credits: 3
- [INTD163 History of Furniture & Interio](#) - History of Furniture and Interiors Credits: 3

- SPCH115 Public Speaking - Public Speaking Credits: 3

Total Credits: 15

Semester 2: Spring Term

- INTD154 Intro to Interior Design Studio - Introduction to Interior Design Studio Credits: 3
- INTD153 Drawing Tech in Digital Media - Drawing Techniques in Digital Media Credits: 3
- INTD251 CAD for Interior Design - CAD for Interior Design Credits: 3
- ANTH106 Cultures of the World - Cultures of the World **or** ANTH105 Cultural Anthropology - Cultural Anthropology Credits: 3
- PHYS108 Physics in Life - Physics in Life **or** FRCH101 Elementary French I - Elementary French **or** Introductory Foreign Language **or** MATH131 Statistics - Statistics Credits: 4

Total Credits: 16

Semester 3: Fall Term

- ARCH151 Architectural Construction I - Architectural Construction I Credits: 3
- INTD253 Interior Design Studio I - Interior Design Studio I Credits: 3
- INTD257 Textiles & Materials for IntD - Textiles & Materials for Interior Design Credits: 3
- INTD245 Codes & Standards for Interior - Codes and Standards for Interiors Credits: 3
- ENVR107 Environmental Science - Environmental Science Credits: 4

Total Credits: 16

Semester 4: Spring Term

- ARTH107 Art:Renaissance/Contemporary - History of Art: Renaissance Through Contemporary Credits: 3
- INTD254 Interior Design Studio II - Interior Design Studio II Credits: 3
- INTD256 Lighting & Bldg. Sys. for ID - Lighting and Bldg Systems for Interiors Credits: 3
- INTD258 Trade Info & Portfolio Dev't - Trade Information and Portfolio Development Credits: 3
- INTD299 Internship - Interior Design - Internship: Interior Design Credits: 1-3

Total Credits: 13-15

Program Learning Outcomes

Name INTDS - PLO 1	Outcome Compare and contrast the implications of the historical development of architecture, furniture, and interiors.
Name INTDS - PLO 2	Outcome Apply elements and principles of design.

Name INTDS - PLO 3	Outcome Create interior design drawings using both manual and computer-aided drafting techniques and documents necessary for the completion of a design project.
Name INTDS - PLO 4	Outcome Select appropriate interior finishes and furnishings based on performance criteria and applicable codes and standards.
Name INTDS - PLO 5	Outcome Apply appropriate codes, regulations, and standards that pertain to interior environments.

KITBAA - Kitchen and Bath Design Academic Credit Certificate

General

Program Title

Kitchen and Bath Design Academic Credit Certificate

Program Code

KITBAA

Program Description

This Certificate of Achievement in Kitchen and Bath Design is intended to provide students with job specific education and skills for advancement in the kitchen and bath industry in design and/or sales and can lead to certification by the National Kitchen and Bath Association (NKBA). Graduates of this program will work in kitchen and bath design showrooms and will be involved in working with clients, creating room layouts, preparing accurate cost estimates and overseeing the installation process. Some of these courses may also apply to the Interior Design Associate in Applied Science program.

Graduates of this program will be able to:

- Design kitchens and bathrooms that are both functional and aesthetically attractive
- Apply the processes necessary to take a kitchen or bath design from conception to completion
- Create designs using industry standard CAD software and components

Requirements

Requirements

Career Studies: 18 Credits as Follows:

- [ARCH151 Architectural Construction I](#) - Architectural Construction I Credits: 3
- [INTD152 Drafting&Grphic Pres for ID](#) - Drafting and Graphic Presentation for Interior Design Credits: 3
- [INTD221 Kitchen and Bath Design I](#) - Kitchen and Bath Design Studio I Credits: 3
- [INTD222 Kitchen and Bath Design II](#) - Kitchen and Bath Design Studio II Credits: 3
- [INTD245 Codes & Standards for Interior](#) - Codes and Standards for Interiors Credits: 3
- [INTD299 Internship - Interior Design](#) - Internship - Interior Design **or** [INTD256 Lighting & Bldg. Sys. for ID](#) - Lighting and Bldg Systems for Interiors Credits: 3

Total Credits: 18

Suggested Sequence

The following sequence is an example of how this certificate can be completed. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date.

Semester 1: Fall Term

- [INTD152 Drafting&Grphic Pres for ID](#) - Drafting and Graphic Presentation for Interior Design Credits: 3
- [INTD245 Codes & Standards for Interior](#) - Codes and Standards for Interiors Credits: 3

Semester 2: Spring Term

- [ARCH151 Architectural Construction I](#) - Architectural Construction I Credits: 3
- [INTD221 Kitchen and Bath Design I](#) - Kitchen and Bath Design Studio I Credits: 3

Semester 3: Fall Term

- [INTD222 Kitchen and Bath Design II](#) - Kitchen and Bath Design Studio II Credits: 3
- [INTD299 Internship - Interior Design](#) - Internship - Interior Design **or** [INTD256 Lighting & Bldg. Sys. for ID](#) - Lighting and Bldg Systems for Interiors Credits: 3

Program Learning Outcomes

Name KITBAA - PLO 1	Outcome Design kitchens and bathrooms that are both functional and aesthetically attractive.
Name KITBAA - PLO 2	Outcome Apply the processes necessary to take a kitchen or bath design from conception to completion.
Name KITBAA - PLO 3	Outcome Create designs using industry standard CAD software and components.

LSJAA - Legal and Social Justice Academic Certificate Achievement

General

Program Title

Legal and Social Justice Academic Certificate Achievement

Program Code

LSJAA

Program Description

This program presents an interdisciplinary examination of institutions, policies, society, and culture through a theoretical lens focusing on issues of culture, justice, and democracy. The primary aim of this program is to introduce students to the foundational theories of justice by critically exploring how conceptions of justice have developed to influence society, politics, the law, and the criminal justice system. Students will be challenged to develop a general knowledge of the many topics and questions found in the issues of legal and social justice.

Graduates of this program will be able to:

- Identify and describe theories and practices of the American justice system.
- Analyze the role of American judicial systems as pertains to criminal justice and social constructs.
- Link the underpinning theories with practices in the American justice system.
- Explain how applications of the legal system contribute to the attitudes and values of contemporary society.
- Evaluate how a social configuration characterized by cultural diversity affects access and interactions with the justice system.

Requirements

Requirements

Career Studies: 18 Credits as Follows:

- [CRJU101 Intro to Criminal Justice](#) - Introduction to Criminal Justice System Credits: 3
- [CRJU125 Police Role in Community](#) - Police Role in Community Credits: 3
- [LEGL105/PLGL105](#)- Introduction to Law Credits: 3
- [PHIL228 Social & Political Philosophy](#) - Social and Political Philosophy Credits: 3
- [POLI109/POLI109 Current Global Topics](#) - Current Global Topics Credits: 3
- [SOCI216 Majority & Minority Relations](#) - Majority and Minority Relations in America Credits: 3

Career Studies: 3 Credits as Follows:

- [LEGL126/PLGL126](#) - Constitutional Law Credits: 3
- OR
- [CRJU229 Criminal Due Process](#) - Criminal Due Process Credits: 3

Total Credits: 21

Program Learning Outcomes

Name LSJAA - PLO 1	Outcome Identify and describe theories and practices of the American justice system.
Name LSJAA - PLO 2	Outcome Analyze the role of American judicial systems as pertains to criminal justice and social constructs.
Name LSJAA - PLO 3	Outcome Link the underpinning theories with practices in the American justice system.
Name LSJAA - PLO 4	Outcome Explain how applications of the legal system contribute to the attitudes and values of contemporary society.
Name LSJAA - PLO 5	Outcome Evaluate how a social configuration characterized by cultural diversity affects access and interactions with the justice system.

MSBIO - Math/Science Program, Biology Option, A.S.

General

Program Title

Math/Science Program, Biology Option, A.S.

Program Code

MSBIO

Program Description

Students wishing to transfer to biology or pre-medical studies should choose this option which combines biology and related scientific studies with liberal arts requirements. Bachelor's degree graduates enter medical, veterinary, dental or graduate schools or take positions as biologists, laboratory technicians and researchers.

Graduates of this program will be able to:

- Employ the scientific method of inquiry to gather and use information for the express purposes of critical thinking, information analysis, and problem solving
- Interpret basic biological concepts
- Use appropriate technology

Requirements

Requirements

General Education: 30-32 Credits

As described in the [General Education](#) section of the catalog and identified below

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 9 (minimum)
 - The following courses are required:
 - [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
 - [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
- [Humanities](#) Credits: 3-4
- [Social Sciences](#) Credits: 3
- [Humanities or Social Sciences](#) Credits: 3 *
- Any [General Education](#) Credits: 6

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 18 Credits as Follows:

All career studies courses must be passed with a grade of "C" or higher.

- [BIOL101 General Biology I](#) - General Biology I Credits: 4
- [BIOL102 General Biology II](#) - General Biology II Credits: 4
- [CHEM203 Organic Chemistry I](#) - Organic Chemistry I Credits: 5
- [CHEM204 Organic Chemistry II](#) - Organic Chemistry II Credits: 5

Career Studies: 8 Credits From Among the Following:

All career studies courses must be passed with a grade of "C" or higher.

- [BIOL205 Invertebrate Zoology](#) - Invertebrate Zoology Credits: 4 *
- [BIOL206 Vertebrate Zoology](#) - Vertebrate Zoology Credits: 4 **
- [BIOL207 Marine Biology](#) - Marine Biology Credits: 4 ***
- [BIOL208 Ecology and Field Biology](#) - Ecology and Field Biology Credits: 4 * (1)
- [BIOL213 Microbiology](#) - Microbiology Credits: 4
- [BIOL215 Cell and Molecular Biology](#) - Cell and Molecular Biology Credits: 4**

Electives: 2-4 Credits

- Recommended:
 - [MATH132 Intro Data Science Appld Stats](#) - Introduction to Data Science and Applied Statistics Credits: 4

Total Credits Required for Degree: 60

Notes:

(1) BIOL208 requires a prerequisite of MATH131 in addition to BIOL102. Prerequisites or corequisite: MATH151 or MATH152

*Offered Fall Term only

**Offered Spring Term only

***Offered Summer Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [BIOL101 General Biology I](#) - General Biology I Credits: 4
- [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [BIOL102 General Biology II](#) - General Biology II Credits: 4
- [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 15

Semester 3: Fall Term

- Career Studies Credits: 4
- [CHEM203 Organic Chemistry I](#) - Organic Chemistry I Credits: 5
- [Humanities or Social Sciences](#) Credits: 3
- [Mathematics](#) Credits: 3-4

Total Credits: 15-16

Semester 4: Spring Term

- Career Studies Credits: 4
- [CHEM204 Organic Chemistry II](#) - Organic Chemistry II Credits: 5
- [Technological Competency/General Education](#) Credits: 3
- Elective Credits: 2-4

Total Credits: 14-16

Program Learning Outcomes

Name MSBIO - PLO 1	Outcome Employ the scientific method of inquiry to gather and use information for the express purposes of critical thinking, information analysis, and problem solving.
Name MSBIO - PLO 2	Outcome Interpret basic biological concepts.
Name MSBIO - PLO 3	Outcome Use appropriate technology.

MSCHM - Math/Science Program, Chemistry Option, A.S.

General

Program Title

Math/Science Program, Chemistry Option, A.S.

Program Code

MSCHM

Program Description

Students who wish to pursue four-year degrees in chemistry or medicine or to enter pharmacy degree programs should choose this option which combines chemistry and related science courses with liberal arts requirements. Bachelor's degree graduates may become chemists, chemical engineers, laboratory technicians and pharmacists.

Graduates of this program will be able to:

- Explain basic chemical concepts and theories
- Apply chemical concepts, mathematical techniques and critical thinking skills to solve chemical problems
- Utilize instruments/computers to gather and analyze data and present findings

Requirements

Requirements

General Education: 30-32 Credits

As described in the [General Education](#) section of the catalog.

The following General Education courses are required:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [PHYS121 General Physics I](#) - General Physics I Credits: 4
- [Social Sciences](#) Credits: 3
- [Humanities](#) Credits: 3-4
- [Social Sciences or Humanities](#) Credits: 3-4 *
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design or [COMP129 Information Technology](#) - Information Technology Credits: 3

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 28 Credits as Follows:

All career studies courses must be passed with a grade of "C" or higher.

- [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
- [CHEM203 Organic Chemistry I](#) - Organic Chemistry I Credits: 5
- [CHEM204 Organic Chemistry II](#) - Organic Chemistry II Credits: 5
- [MATH172 Calculus II](#) - Calculus II Credits: 4

- [PHYS122 General Physics II](#) - General Physics II Credits: 4

Electives: 0-2 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3-4

Total Credits: 15-16

Semester 2: Spring Term

- [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
- [ENGL122 EngI Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Social Sciences](#) Credits: 3
- [MATH171 Calculus I](#) - Calculus I Credits: 4

Total Credits: 15

Semester 3: Fall Term

- [CHEM203 Organic Chemistry I](#) - Organic Chemistry I Credits: 5
- [MATH172 Calculus II](#) - Calculus II Credits: 4
- [PHYS121 General Physics I](#) - General Physics I Credits: 4
- [Social Sciences](#) or [Humanities](#) Credits: 3-4 (1)

Total Credits: 16-17

Semester 4: Spring Term

- [CHEM204 Organic Chemistry II](#) - Organic Chemistry II Credits: 5
- [PHYS122 General Physics II](#) - General Physics II Credits: 4
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design or [COMP129 Information Technology](#) - Information Technology Credits: 3
- Elective Credits: 0-2

Total Credits: 12-14

Sequence Note:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name MSCHM - PLO 1	Outcome Explain basic chemical concepts and theories.
Name MSCHM - PLO 2	Outcome Apply chemical concepts, mathematical techniques and critical thinking skills to solve chemical problems.
Name MSCHM - PLO 3	Outcome Utilize instruments/computers to gather and analyze data and present findings.

MSDAT - Math/Science Program, Data Science Option, A.S.

General

Program Title

Math/Science Program, Data Science Option, A.S.

Program Code

MSDAT

Program Description

The Data Science Option, Mathematics/Science A.S. is a transfer program designed for students seeking a career as a Data Scientist. Students will transfer into Data Science programs in Computer Science, Mathematics or Statistics departments. Students with this option will have the skills to work in any industry and utilize the techniques for data driven decision making.

Graduates of this program will be able to:

- Students will understand how to store and access data using a database.
- Students will use computer programs such as Python and R to explore data structure, perform data visualization, data analysis, and solve problems. CLO 1: Students will demonstrate statistical and computer skills (R language) appropriate to this course.
- Students will independently complete data projects and reports. CLO 3: Students will understand data structure, data visualization, data analysis, and use statistical inferences to complete course projects and interpret results.
- Students will define, compile, and clean and store large datasets for analysis.
- Students will apply statistical concepts and inferences to comment on results. CLO 2: Students will analyze real world data sets by using statistical concepts, theories, skills, and R language.

Requirements

Requirements

General Education: 30 Credits

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4
- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
- [Humanities](#) Credits: 3
- [Humanities](#) **or** [Social Sciences](#) Credits: 3
- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4
- [BIOL101 General Biology I](#) - General Biology I Credits: 4 **or** [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5

Career Studies: 30 Credits

- [BIOL102 General Biology II](#) - General Biology II Credits: 4 **or** [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5 **or** [ENVR107 Environmental Science](#) - Environmental Science Credits: 4
- [BIOL213 Microbiology](#) - Microbiology **or** [BIOL208 Ecology and Field Biology](#) - Ecology and Field Biology Credits: 4
- [COMP171 Programming I](#) - Programming I Credits: 3 **or** [COMP271 Programming II](#) - Programming II Credits: 3

- [COMP238 Programming Using Python](#) - Programming with Python Credits: 3
- [COMP269 Database Concepts](#) - Database Concepts Credits: 3
- [MATH132 Intro Data Science Appld Stats](#) - Introduction to Data Science and Applied Statistics Credits: 4
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [MATH172 Calculus II](#) - Calculus II Credits: 4 **or** [MATH285 Linear Algebra](#) - Linear Algebra Credits:3 **or** [MATH299 Mathematics Internship](#) - Mathematics Internship Credits: 1-4
- [PHYS121 General Physics I](#) - General Physics I Credits: 4 **or** [PHYS122 General Physics II](#) - General Physics II Credits: 4

Total Credits Required for Degree: 60

Note:

Students who complete BIOL101 will be required to register for 4-credits of MATH299 in order to reach 60 credit program requirement.

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4 *
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3

Total Credits: 14

Semester 2: Spring Term

- [BIOL101 General Biology I](#) - General Biology I Credits: 4 **or** [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [MATH132 Intro Data Science Appld Stats](#) - Introduction to Data Science and Applied Statistics Credits: 4
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4

Total Credits: 15-16

Semester 3: Fall Term

- [MATH171 Calculus I](#) - Calculus I Credits: 4 **or** [MATH176 Calculus Business Applications](#) - Calculus with Business Applications Credits: 4
- [BIOL102 General Biology II](#) - General Biology II Credits: 4 **or** [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3

- [COMP238 Programming Using Python](#)- Programming with Python Credits: 3

Total Credits: 14-15

Semester 4: Spring Term

- [COMP269 Database Concepts](#) - Database Concepts Credits: 3
- [MATH299 Mathematics Internship](#) - Mathematics Internship Credits: 1-4
- Career Elective Credits: 4
- [Humanities](#) Credits: 3
- [Social Sciences](#) or [Humanities](#) Credits: 3 (1)

Total Credits: 15-16

Sequence Notes:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name	Outcome
MSDAT - PLO 1	Students will understand how to store and access data using a database.
Name MSDAT - PLO 2	Outcome Students will use computer programs such as Python and R to explore data structure, perform data visualization, data analysis, and solve problems. CLO 1: Students will demonstrate statistical and computer skills (R language) appropriate to this course.
Name MSDAT - PLO 3	Outcome Students will independently complete data projects and reports. CLO 3: Students will understand data structure, data visualization, data analysis, and use statistical inferences to complete course projects and interpret results.
Name MSDAT - PLO 4	Outcome Students will define, compile, and clean and store large datasets for analysis.
Name MSDAT - PLO 5	Outcome Students will apply statistical concepts and inferences to comment on results. CLO 2: Students will analyze real world data sets by using statistical concepts, theories, skills, and R language.

MSMTH - Math/Science Program, Mathematics Option, A.S.

General

Program Title

Math/Science Program, Mathematics Option, A.S.

Program Code

MSMTH

Program Description

Students wishing, upon acquisition of a Bachelor's degree, to enter such positions as mathematician, statistician, stock or financial analyst, economist, or researcher should choose this transfer option which combines mathematics with liberal studies.

Graduates of this program will be able to:

- Define and explain basic concepts and theories of differential and integral calculus
- Identify strategies for solving application problems using derivatives and integrals, and correctly solve these problems
- Apply the appropriate mathematical skills to find derivatives and integrals
- Communicate about mathematics problems, explain methods to solve the problems, and interpret results in the context of the problems
- Use mathematical software to apply concepts and solve problems

Requirements

Requirements

General Education: 30-32 Credits

As described in the [General Education](#) section of the catalog and identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Humanities or Social Sciences](#) Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 9 (Lab Science required)
 - The following are recommended:
 - [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3
 - [MATH131 Statistics](#) - Statistics Credits: 4
 - [PHYS121 General Physics I](#) - General Physics I Credits: 4 *
- Any [General Education](#) Credits: 4-6

General Education Note:

*Students should select PHYS121 to complete the Physics sequence which is highly recommended for students choosing their program. Subject to counselor approval, students may substitute the BIOL101/102 sequence or CHEM101/102 sequence.

Career Studies: 20 Credits as Follows:

All career studies courses must be passed with a grade of "C" or higher.

- [MATH171 Calculus I](#) - Calculus I Credits: 4 **

- [MATH172 Calculus II](#) - Calculus II Credits: 4
- [MATH273 Calculus III](#) - Calculus III Credits: 4
- [PHYS122 General Physics II](#) - General Physics II Credits: 4 *
- [MATH274 Elem Differential Equations](#) - Elementary Differential Equations Credits: 4 ***

Career Studies: 3 or 4 Credits From Among the Following:

All career studies courses must be passed with a grade of "C" or higher.

- [MATH226 Discrete Mathematics](#) - Discrete Mathematics Credits: 4
[MATH226 Discrete Mathematics](#) offered only in the Summer II term)
- [MATH285 Linear Algebra](#) - Linear Algebra Credits: 3

Electives: 2-7 Credits

One of the following courses or a course from Career Studies above is recommended, but not required, to fulfill the elective requirement.

- [COMP137 Programming for Engineers](#) - Programming for Engineers Credits: 3 **or** [COMP132 Structured Program Using C++](#) - Structured Programming Using C++ Credits: 3 **or** [COMP171 Programming I](#) - Programming I Credits: 3 ****
- [MATH132 Intro Data Science Appld Stats](#) - Introduction to Data Science and Applied Statistics Credits: 4
- [MATH295 Special Project - Mathematics](#) - Special Project - Mathematics Credits: 1-3
- [MATH299 Mathematics Internship](#) - Mathematics Internship Credits: 1-4

Total Credits Required for Degree: 60

Notes:

*The above Physics sequence is highly recommended. However, subject to counselor approval, students may substitute the BIOL101/102 sequence or the CHEM101/102 sequence.

**MATH151, MATH152 and/or MATH153 may be required if prerequisites for MATH171 are not satisfied.

***It is strongly advised that students taking MATH274 have had Physics.

****Students selecting COMP132 or COMP171 as an elective are required to take COMP126 as a corequisite.

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and *prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [MATH131 Statistics](#) - Statistics Credits: 4
- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3-4

Total Credits: 14-15

Semester 2: Spring Term

- [MATH172 Calculus II](#) - Calculus II Credits: 4

- [PHYS121 General Physics I](#) - General Physics I Credits: 4
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 14

Summer Term

- Career Studies Credits: 3-4

Semester 3: Fall Term

- [MATH273 Calculus III](#) - Calculus II Credits: 4
- [PHYS122 General Physics II](#) - General Physics II Credits: 4
- [Humanities or Social Sciences](#) Credits: 3-4
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- Elective Credits: 2

Total Credits: 16-18

Semester 4: Spring Term

- [MATH274 Elem Differential Equations](#) - Elementary Differential Equations Credits: 4
- [General Education](#) Credits: 4 (2)
- Elective Credits: 0-5

Total Credits: 8-13

Sequence Notes:

(1) A minimum of 9 credits are required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

(2) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name MSMTH - PLO 1	Outcome Define and explain basic concepts and theories of differential and integral calculus.
Name MSMTH - PLO 2	Outcome Identify strategies for solving application problems using derivatives and integrals, and correctly solve these problems.
Name MSMTH - PLO 3	Outcome Apply the appropriate mathematical skills to find derivatives and integrals.

Name MSMTH - PLO 4	Outcome Communicate about mathematics problems, explain methods to solve the problems, and interpret results in the context of the problems.

Name MSMTH - PLO 5	Outcome Use mathematical software to apply concepts and solve problems.

MSPHY - Math/Science Program, Physics Option, A.S.

General

Program Title

Math/Science Program, Physics Option, A.S.

Program Code

MSPHY

Program Description

This transfer option is designed for the student who wishes to attain a Bachelor's degree in physics and become a physicist, engineer, or researcher. It combines study of physics and related sciences with liberal arts courses necessary for transfer.

Graduates of this program will be able to:

- Communicate the basic concepts of experimental and theoretical physics
- Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems
- Use instruments/computers to gather and analyze data and present findings

Requirements

Requirements

General Education: 30-32 Credits

As described in the [General Education](#) section of the catalog and as identified below.

The following General Education courses are required:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- [Science](#) (with Lab) Credits: 4-5
- [Social Sciences](#) Credits: 3
- [Humanities](#) Credits: 3-4
- [Social Sciences or Humanities](#) Credits: 3-4 *
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design or [COMP129 Information Technology](#) - Information Technology Credits: 3
- Any [General Education](#) Credits: 3-6

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 24 Credits as Follows:

All career studies courses must be passed with a grade of "C" or higher.

- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [MATH172 Calculus II](#) - Calculus II Credits: 4
- [MATH273 Calculus III](#) - Calculus II Credits: 4
- [PHYS121 General Physics I](#) - General Physics I Credits: 4
- [PHYS122 General Physics II](#) - General Physics II Credits: 4

- [PHYS223 Gen Physics III](#) - General Physics III Credits: 4

Elective: 4-6 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Summer

- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4 *

Semester 1: Fall Term

- [MATH171 Calculus I](#) - Calculus I Credits: 4 *
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Social Sciences](#) Credits: 3
- [General Education](#) Credits: 3 (1)

Total Credits: 13

Semester 2: Spring Term

- [MATH172 Calculus II](#) - Calculus II Credits: 4
- [PHYS121 General Physics I](#) - General Physics I Credits: 4
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 14

Semester 3: Fall Term

- [MATH273 Calculus III](#) - Calculus III Credits: 4
- [PHYS122 General Physics II](#) - General Physics II Credits: 4
- [Science](#) (with lab) Credits: 4-5
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design or [COMP129 Information Technology](#) - Information Technology Credits: 3

Total Credits: 15-16

Semester 4: Spring Term

- [PHYS223 Gen Physics III](#) - General Physics III Credits: 4
- [Social Sciences](#) or [Humanities](#) Credits: 3
- [General Education](#) Credits: 0-3
- Elective Credits: 4-6

Total Credits: 11-16

Sequence Notes:

*MATH151, MATH152 and/or MATH153 may be required if prerequisites for MATH171 are not satisfied.

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name MSPHY - PLO 1	Outcome Communicate the basic concepts of experimental and theoretical physics.
Name MSPHY - PLO 2	Outcome Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems.
Name MSPHY - PLO 3	Outcome Use instruments/computers to gather and analyze data and present findings.

MTHSC - Math/Science Program, Science Option, A.S.

General

Program Title

Math/Science Program, Science Option, A.S.

Program Code

MTHSC

Program Description

Students wishing a concentration in science combined with liberal studies needed for transfer to four-year colleges or special professional institutions may choose this option. This option may fulfill the needs of students planning to major in Marine Science, Geology, or Environmental Science at a four-year college. The flexibility offered by this option allows for differences in entrance and transferability requirements of these schools. To maximize transfer credits, students must be guided by the transfer institution's requirements and work closely with their counselor in order to select courses wisely.

Graduates of this program will be able to:

- Employ the scientific method of inquiry to gather and use information for the express purposes of critical thinking, information analysis and problem solving
- Identify and interpret basic scientific concepts
- Use appropriate technology

Requirements

Requirements

General Education: 30-32 Credits

As described in the [General Education](#) section of the catalog and as identified below:

The following General Education courses are required:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4 **and** [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry Credits: 4 **or** [MATH171 Calculus I](#) - Calculus I Credits: 4 **and** [MATH172 Calculus II](#) - Calculus II Credits: 4
- [Science](#) (with Lab) Credits: 4-5
- [Social Sciences](#) Credits: 3
- [Humanities](#) Credits: 3-4
- [Social Sciences](#) or [Humanities](#) Credits: 3 *
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design **or** [COMP129 Information Technology](#) - Information Technology Credits: 3

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 4 Credits as Follows:

A grade of "C" or higher is required in all career studies courses.

- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4

Career Studies: 21-25 Credits From Among the Following:

The selected courses must include at least one two-semester sequence of courses chosen from BIOL101/102, BIOL111/112, CHEM101/102, MATH171/172, PHYS111/112, PHYS121/112. (The Science and Health Science Division may approve another sequence based on the requirements of the transfer institution.)

It is suggested that the student complete both courses in any two-semester sequence begun. Consult with your counselor.

A grade of "C" or higher is required in all career studies courses.

- [BIOL101 General Biology I](#) - General Biology I Credits: 4
- [BIOL102 General Biology II](#) - General Biology II Credits: 4
- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4
- [BIOL205 Invertebrate Zoology](#) - Invertebrate Zoology Credits: 4 *
- [BIOL206 Vertebrate Zoology](#) - Vertebrate Zoology Credits: 4 **
- [BIOL207 Marine Biology](#) - Marine Biology Credits: 4 ***
- [BIOL208 Ecology and Field Biology](#) - Ecology and Field Biology Credits: 4 *
- [BIOL213 Microbiology](#) - Microbiology Credits: 4
- [BIOL215 Cell and Molecular Biology](#) - Cell and Molecular Biology Credits: 4
- [CHEM101 General Chemistry I](#) - General Chemistry I Credits: 5
- [CHEM102 General Chemistry II](#) - General Chemistry II Credits: 5
- [CHEM117 Intro to Marine Chemistry](#) - Introduction to Marine Chemistry Credits: 4 ***
- [CHEM136 Inorganic, Organic, Biochem](#) - Introduction to Inorganic, Organic and Biological Chemistry Credits: 4
- [CHEM203 Organic Chemistry I](#) - Organic Chemistry I Credits: 5
- [CHEM204 Organic Chemistry II](#) - Organic Chemistry II Credits: 5
- [CHEM235 Fund. of Organic & Biochem](#) - Fundamentals of Organic and Biological Chemistry Credits: 5
- [CHEM236 Biochemistry](#) - Biochemistry Credits: 5
- [ENVR130 Physical Geology](#) - Physical Geology Credits: 4
- [ENVR111 Oceanography](#) - Oceanography Credits: 4
- [MATH171 Calculus I](#) - Calculus I Credits: 4
- [MATH172 Calculus II](#) - Calculus II Credits: 4
- [PHYS111 General Physics I Non-Calculus](#) - General Physics I (Non-Calculus) Credits: 4
- [PHYS112 General Physics II Non-Calc](#) - General Physics II (Non-Calculus) Credits: 4 **
- [PHYS121 General Physics I](#) - General Physics I Credits: 4
- [PHYS122 General Physics II](#) - General Physics II Credits: 4
- [PHYS223 Gen Physics III](#) - General Physics III Credits: 4

Elective: 0-5 Credits

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

***Offered Summer Term only

Suggested Sequence

Students wishing a concentration in science combined with liberal studies needed for transfer to four-year colleges or special professional institutions may choose this option. This option may fulfill the needs of students planning to major in Marine Science, Geology, or Environmental Science at a four-year college. The flexibility offered by this option allows for differences in entrance and transferability requirements of these schools. To maximize transfer credits, students must be guided by the transfer institution's requirements and work closely with their counselor in order to select courses wisely.

Semester 1: Fall Term

- [MATH151 Intermediate Algebra](#) - Intermediate Algebra **or** [MATH171 Calculus I](#) - Calculus I Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3-4
- Career Studies Credits: 4-5

Total Credits: 14-15

Semester 2: Spring Term

- [MATH152 College Algebra & Trigonometry](#) - College Algebra & Trigonometry **or** [MATH172 Calculus II](#) - Calculus II Credits: 4
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Social Sciences](#) Credits: 3
- Career Studies Credit: 4-5

Total Credits: 14-15

Semester 3: Fall Term

- [MATH153 Pre-Calculus Mathematics](#) - Pre-Calculus Mathematics Credits: 4
- Career Studies Credits: 4-8
- [Science](#) (with Lab) Credits: 4

Total Credits: 12-16

Semester 4: Spring Term

- Career Studies Credits: 8
- [Humanities](#) or [Social Sciences](#) Credits: 3
- Elective Credits: 0-5
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design **or** [COMP129 Information Technology](#) - Information Technology Credits: 3

Total Credits: 14-19

Sequence Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name MTHSC - PLO 1	Outcome Employ the scientific method of inquiry to gather and use information for the express purposes of critical thinking, information analysis and problem solving.
Name MTHSC - PLO 2	Outcome Identify and interpret basic scientific concepts.
Name MTHSC - PLO 3	Outcome Use appropriate technology.

MUTCH - Music Technology Program, A.A.S.

General

Program Title

Music Technology Program, A.A.S.

Program Code

MUTCH

Program Description

This innovative program in Music Technology provides students with the skills and expertise necessary to enter the field of computer-generated music. The curriculum provides a complete education in the software used in the digital music industry such as ProTools®, Digidesign®, Finale® and NOTION Music®.

Graduates of this program will have the skills and expertise necessary to obtain employment in music preparation, orchestration, recording, performance and the video-gaming industry.

Graduates of this program will be able to:

- Examine the theoretical, historical, and technological perspectives required to create and perform music
- Apply the fundamentals of music theory and principles
- Utilize industry-standard equipment and applications for the production of music and multimedia

Requirements

Requirements

General Education: 20-22 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities or Social Sciences](#) Credits: 3-4
 - The following General Education Humanities courses are recommended for students choosing this program
 - [MUSI115 History of Classical Music](#) - History of Classical Music Credits: 3
 - [THTR135 Musical Theater](#) - Musical Theater Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3
- Any [General Education](#) Credits: 8-9

Career Studies: 6 Credits

- [MUSI101 Fundamentals of Music](#) - Fundamentals of Music Credits: 3 *
- [MUSI191 Group Piano I](#) - Group Piano I Credits: 3 *

*Students with no prior music study are required to take MUSI101 and MUPF101. Students with the requisite music skills will have an opportunity to take a placement test. Students who are not required to take MUSI101 and MUPF101 are required to take elective credits to complete the 60-credits degree requirement.

Career Studies: 30 Credits as Follows:

- [MUTC101 Pro Tools® I](#) - Pro Tools® I Credits: 3

- [MUTC102 Pro Tools® II](#) - Pro Tools® II Credits: 3
- [MUTC105 Intro to Notion Music®](#) - Introduction to NOTION Music® Credits: 3
- [MUTC111 Finale® I](#) - Finale® I Credits: 3
- [MUTC115 Intro to Music Technology](#) - Introduction to Music Technology Credits: 3
- [MUTC201 Pro Tools® III](#) - Pro Tools® III Credits: 3
- [MUTC202 Pro Tools® IV](#) - Pro Tools® IV Credits: 3
- [MUTC215 Composing Music for Media](#) - Composing Music for Media Credits: 3
- [COMM115 Audio in Media](#) - Audio in Media Credits: 3
- [COMM216 Adv Digital Audio/Music Record](#) - Advanced Digital Audio/Musical Recording Credits: 3 **

Electives: 2-10 Credits

- Recommended:
 - [MUSI103 Ear Training](#) - Ear Training Credits: 3 **

Total Credits Required for Degree: 60

Note:

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree may be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Prerequisites:

Students with no prior music study are required to take the following prerequisite courses before taking MUTC101, MUTC105 or MUTC111. Students with the requisite music skills will have an opportunity to take placement tests.

- [MUSI101 Fundamentals of Music](#) - Fundamentals of Music Credits: 3
- [MUSI191 Group Piano I](#) - Group Piano I Credits: 3

Semester 1: Fall Term

- [MUTC101 Pro Tools® I](#) - Pro Tolls® I Credits: 3
- [MUTC111 Finale® I](#) - Finale® I Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [General Education](#) Credits: 3
- [MUTC115 Intro to Music Technology](#) - Introduction to Music Technology Credits: 3

Total Credits: 15

Semester 2: Spring Term

- [MUTC102 Pro Tools® II](#) - Pro Tools® II Credits: 3
- [COMM115 Audio in Media](#) - Audio in Media Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115](#) - Public Speaking Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- Elective Credits: 0-3

Total Credits: 12-16

Semester 3: Fall Term

- [MUTC201 Pro Tools® III](#) - Pro Tools® III Credits: 3
- [MUTC105 Intro to Notion Music®](#) - Introduction to NOTION Music® Credits: 3
- [Humanities or Social Sciences](#) Credits: 3
- Elective Credits: 2-4
- [General Education](#) Credits: 3 (1)

Total Credits: 14-16

Semester 4: Spring Term

- [MUTC202 Pro Tools® IV](#) - Pro Tools® IV Credits: 3
- [MUTC215 Composing Music for Media](#) - Composing Music for Media Credits: 3
- [COMM216 Adv Digital Audio/Music Record](#) - Advanced Digital Audio/Musical Recording Credits: 3
- [General Education](#) Credits: 2-3 (1)
- Elective Credits: 0-3

Total Credits: 11-15

Sequence Note:

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name MUTCH - PLO 1	Outcome Examine the theoretical, historical, and technological perspectives required to create and perform music.
Name MUTCH - PLO 2	Outcome Apply the fundamentals of music theory and principles.
Name MUTCH - PLO 3	Outcome Utilize industry-standard equipment and applications for the production of music and multimedia.

NTIT - Network Information Technology Program, A.A.S.

General

Program Title

Network Information Technology Program, A.A.S.

Program Code

NTIT

Program Description

The network information technology program prepares students as LAN and WAN network administrators. Successful completion of the program provides students with the essential skills of networking (TCP/IP, Routing, Switching, Wireless, Security, and PC Repair and Maintenance). Students will design, install, configure, maintain, optimize, and troubleshoot networks using a variety of network operating systems (Windows, Linux, and Mac OS X), vendor tools (Microsoft®, Cisco®, Juniper Networks® and Foundry®) and hardware platforms and protocols. Upon completion of the program, students are prepared for numerous computer related certification exams.

Graduates of this program will be able to:

- Install, configure, and troubleshoot network operating systems
- Configure, maintain, troubleshoot, & secure routers, switches, and other networking hardware
- Evaluate current and emerging technologies and assess their applicability
- Solve problems individually and in a team environment
- Communicate effectively with peers both verbally and in writing
- Understand the impact of technology on individuals, organizations and society, including ethical, legal, security and global policy issues.

Requirements

Requirements

General Education: 20 Credits *

*Students can attain 20 credits in General Education by taking two 4-credit courses and four 3-credit courses.

As described in the [General Education](#) section of the catalog and identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- [Humanities or Social Sciences](#) Credits: 3 *
- [General Education](#) Credits: 7-8

General Education Note:

*One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Career Studies: 31 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [NETW106 Intro to Networking TCP/IP](#) - Introduction to Networking TCP/IP Credits: 3
- [NETW107 Introduction to Security](#) - Introduction to Security Credits: 3 *

- [NETW110 Intro to UNIX Network Admin](#) - Introduction to UNIX Network Admin Credits: 3 *
- [NETW111 UNIX Network Admin II](#) - UNIX Network Administration II Credits: 4 **
- [NETW151 Router Internetworking/CCNA](#) - Router Internetworking/CCNA Credits: 6 *
- [NETW152 Virtual LANs and WANs/CCNA](#) - Virtual LANs and WANs/CCNA Credits: 6 **
- [NETW190 MCTS Guide to Windows 7](#) - MCTS Guide to Microsoft Windows 7 Credits: 3 *
- [NETW191 MCSE Windows 2008 Server](#) - MCSE: Managing and Maintaining a Microsoft Windows Server 2008 Environment Credits: 3 **

Career Studies: 9 Credits From Among One of the Following Concentrations:

- Network Administration
 - [NETW125 Introduction to Wireless](#) - Introduction to Wireless Credits: 3 **
 - [NETW243 Computer Repair & Maintenance](#) - Computer Repair & Maintenance Credits: 3
 - [NETW253 Juniper Network Routers](#) - Juniper Network Routers Credits: 3 **

OR

- Security
 - [NETW236 Computer Forensics & Investiga](#) - Computer Forensics & Investigation Credits: 3 **
 - [NETW237 Perimeter Security](#) - Perimeter Security Credits: 3 **
 - [NETW238 Hacker Tech, Tools & Incident](#) - Hacker Techniques, Tools, and Incident Handling Credits: 3 *

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [NETW106 Intro to Networking TCP/IP](#) - Introduction to Networking TCP/IP Credits: 3
- [NETW107 Introduction to Security](#) - Introduction to Security Credits: 3
- [NETW110 Intro to UNIX Network Admin](#) - Introduction to UNIX Network Admin Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 4

Total Credits: 16

Semester 2: Spring Term

- [NETW111 UNIX Network Admin II](#) - UNIX Network Administration II Credits: 4
- [NETW125 Introduction to Wireless](#) - Introduction to Wireless **or** [NETW236 Computer Forensics & Investiga](#) - Computer Forensics & Investigation Credits: 3
- [NETW243 Computer Repair & Maintenance](#) - Computer Repair & Maintenance **or** [NETW237 Perimeter Security](#) - Perimeter Security Credits: 3
- [Communications](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 16

Semester 3: Fall Term

- [NETW151 Router Internetworking/CCNA](#) - Router Internetworking/CCNA Credits: 6
- [NETW190 MCTS Guide to Windows 7](#) - MCTS Guide to Microsoft Windows 7 Credits: 3
- [Humanities \(1\) or NETW238 Hacker Tech, Tools & Incident](#) - Hacker Techniques, Tools and Incident Handling Credits: 3
- [General Education](#) Credits: 4

Total Credits: 16

Semester 4: Spring Term

- [NETW191 MCSE Windows 2008 Server](#) - MSCE: Managing and Maintaining a Microsoft Windows Server 2008 Environment Credits: 3
- [NETW152 Virtual LANs and WANs/CCNA](#) - Virtual LANs and WANs/CCNA Credits: 6
- [NETW253 Juniper Network Routers](#) - Juniper Network Routers or [Humanities](#) Credits: 3 (1)

Total Credits: 12

Sequence Notes:

Students may find it advisable to take some of the [General Education](#) courses during the summer. After the Spring term of the first year, students may be ready to begin taking the Microsoft MCSE Certification Exams. After the Spring term of the second year, students may be ready to take the A+ and Network+ certification exams.

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name NTIT - PLO 1	Outcome Install, configure, and troubleshoot network operating systems.
Name NTIT - PLO 2	Outcome Configure, maintain, troubleshoot, & secure routers, switches, and other networking hardware.

Name NTIT - PLO 3	Outcome Evaluate current and emerging technologies and assess their applicability.
Name NTIT - PLO 4	Outcome Solve problems individually and in a team environment.
Name NTIT - PLO 5	Outcome Communicate effectively with peers both verbally and in writing.
Name NTIT - PLO 6	Outcome Understand the impact of technology on individuals, organizations and society, including ethical, legal, security and global policy issues.

NURSG - Nursing Program, A.A.S.

General

Program Title

Nursing Program, A.A.S.

Program Code

NURSG

Program Description

This program prepares students for entry-level nursing positions in hospitals or comparable facilities. Clinical learning experiences are required in some courses. Upon completion of the program, students are eligible to sit for the National Council Licensing Exam for Registered Nursing (NCLEX-RN). Successful completion of this examination results in licensure as a Registered Nurse (RN). This program is accredited by the New Jersey Board of Nursing (NJBON), 124 Halsey Street, Sixth Floor, Newark, New Jersey 07101, (973) 504-6430, and by the Accreditation Commission for Education in Nursing (ACEN) 3343 Peachtree Road NE, Suite 1400, Atlanta, GA 30326 (404)975-5000. If you have questions or complaints about the program, you can contact NJBON and/or ACEN. Specific admission criteria for the program are outlined in the Admission and Registration section of this catalog. Separate policies exist for the Nursing Program, including grading. These policies can be found in the Nursing Student Handbook.

Graduates of this program will be able to:

- Use clinical reasoning to provide holistic patient-centered care to diverse patient populations across the lifespan.
- Assume accountability for own behavior and nursing practice based upon legal and ethical principles, regulatory guidelines, and professional standards.
- Manage patient care through effective communication, interdisciplinary collaboration and information technology to support decision making within systems-based practice.
- Participate in initiatives to minimize the risk of harm and optimize the quality and safety of patient care through individual performance and system effectiveness.
- Use the best current evidence coupled with clinical expertise and consideration of patients' preferences, experience and values to make practice decisions.

Requirements

Requirements

General Education: 24 Credits as Follows:

- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4 (A grade of "C" or higher)
- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4 (A grade of "C" or higher)
- [BIOL213 Microbiology](#) - Microbiology Credits: 4 (A grade of "C" or higher)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality and Social Aspects Credits: 3
- [PSYC208 Life Span Development](#) - Life Span Development Credits: 3

Career Studies: 40 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [HESC105 Medical Terminology](#) - Medical Terminology **or** [HESC115 Nutrition and Health](#) - Nutrition and Health **or** [HESC165 Pathophysiology](#) - Pathophysiology **or** [PBHL105 Introduction to Public Health](#) - Introduction to Public Health Credits: 3
- [HESC107 Health Care Career Exploration](#) - Health Care Career Exploration Credits: 2
- [NURS111 Professional Roles I](#) - Professional Roles I Credits: 1
- [NURS112 Professional Roles II](#) - Professional Roles II Credits: 1
- [NURS125 Pharmacology for Nurses](#) - Pharmacology for Nurses Credits: 2
- [NURS165 Issues in Nursing](#) - Issues in Nursing Credits: 2
- [NURS171 Nursing Concepts I](#) - Nursing Concepts I Credits: 6
- [NURS172 Nursing Concepts II](#) - Nursing Concepts II Credits: 6
- [NURS211 Professional Roles III](#) - Professional Roles III Credits: 1
- [NURS213 Professional Roles IV](#) - Professional Roles IV Credits: 3
- [NURS271 Nursing Concepts III](#) - Nursing Concepts III Credits: 7
- [NURS273 Nursing Concepts IV](#) - Nursing Concepts IV Credits: 6

Credits Required for Degree: 64

Suggested Sequence

The following sequence is an example of how this program can be completed. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options, or to monitor your progress. Students must satisfy specific requirements in order to be admitted to this program. See Admission to Health Science Program, [Registration and Records](#) section of this catalog or visit the [Nursing Program web page](#).

Semester 1

- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [HESC107 Health Care Career Exploration](#) - Health Care Career Exploration Credits: 2
- [HESC105 Medical Terminology](#) - Medical Terminology **or** [HESC115 Nutrition and Health](#) - Nutrition and Health **or** [HESC165 Pathophysiology](#) - Pathophysiology Credits: 3

Total Credits: 15

Semester 2

- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4
- [NURS111 Professional Roles I](#) - Professional Roles I Credits: 1
- [NURS125 Pharmacology for Nurses](#) - Pharmacology for Nurses Credits: 2
- [NURS171 Nursing Concepts I](#) - Nursing Concepts I Credits: 6

Total Credits: 13

Semester 3

- [PSYC208 Life Span Development](#) - Life Span Development Credits: 3
- [NURS165 Issues in Nursing](#) - Issues in Nursing Credits: 3
- [NURS112 Professional Roles II](#) - Professional Roles II Credits: 1
- [NURS172 Nursing Concepts II](#) - Nursing Concepts II Credits: 6

Total Credits: 12

Semester 4

- [BIOL213 Microbiology](#) - Microbiology Credits: 4
- [NURS211 Professional Roles III](#) - Professional Roles III Credits: 1
- [NURS271 Nursing Concepts III](#) - Nursing Concepts III Credits: 7

Total Credits: 12

Semester 5

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [NURS213 Professional Roles IV](#) - Professional Roles IV Credits: 3
- [NURS273 Nursing Concepts IV](#) - Nursing Concepts IV Credits: 6

Total Credits: 12

Sequence Note:

Faculty recommend that ENGL122 be taken in the summer term. For a full-time credit load in semester 5, students may take courses required for the BSN degree.

Program Learning Outcomes

Name NURSG - PLO 1	Outcome Use clinical reasoning to provide holistic patient-centered care to diverse patient populations across the lifespan.
Name NURSG - PLO 2	Outcome Assume accountability for own behavior and nursing practice based upon legal and ethical principles, regulatory guidelines, and professional standards.
Name NURSG - PLO 3	Outcome Manage patient care through effective communication, interdisciplinary collaboration and information technology to support decision making within systems-based practice.
Name NURSG - PLO 4	Outcome Participate in initiatives to minimize the risk of harm and optimize the quality and safety of patient care through individual performance and system effectiveness.

Name NURSG - PLO 5	Outcome Use the best current evidence coupled with clinical expertise and consideration of patients' preferences, experience and values to make practice decisions.

PBHLT - Public Health Program, A.S.

General

Program Title

Public Health Program, A.S.

Program Code

PBHLT

Program Description

Brookdale Community College, County College of Morris, Mercer County Community College, and Middlesex County College have formed a consortium to offer the Public Health A.S. program that is transferable to baccalaureate degrees in public health. Graduates of bachelor's degree programs in public health have career opportunities in environmental health, state and local health departments, hospitals, educational institutions, and research organizations.

Graduates of this program will be able to:

- Demonstrate scientific foundation knowledge and skills appropriate for students seeking advanced study in the field of public health
- Apply the scientific method of inquiry to gather and analyze data and use information relevant to major local, national and global health challenges
- Conduct a literature search on health issues using a variety of academic and public resources
- Engage in collaborative approaches for improving population health

Requirements

Requirements

General Education: 30 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) Credits: 3
- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects **or** [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [SOC101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4 **or** higher level [Mathematics](#) General Education course
- [BIOL101 General Biology I](#) - General Biology I **or** [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [BIOL102 General Biology II](#) - General Biology II **or** [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4
- [COMP129 Information Technology](#) - Information Technology Credits: 3

Career Studies: 30 Credits

- [CHEM116 Chemistry in Life](#) - Chemistry in Life Credits: 4 *
- [CHEM136 Inorganic, Organic, Biochem](#) - Introduction to Inorganic, Organic and Biological Chemistry Credits: 4 *
- [HESC105 Medical Terminology](#) - Medical Terminology **or** [HESC115 Nutrition and Health](#) - Nutrition and Health Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4

- [PBHL105 Introduction to Public Health](#) - Introduction to Public Health Credits: 3
- [PBHL205 Issues in Disaster Management](#) - Public Health Issues in Disaster Management Credits: 3
- [POLI228 Environmental Politics](#) - Environmental Politics and Policy Credits: 3 **
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [SOCI215 Marriage and the Family](#) - Marriage and the Family **or** [SOCI202 Analysis of Social Problems](#) - Analysis of Social Problems Credits: 3

Notes:

*Students may substitute [CHEM101 General Chemistry I](#) - General Chemistry I **and** [CHEM102 General Chemistry II](#) - General Chemistry II for [CHEM116 Chemistry in Life](#) - Chemistry in Life **and** [CHEM136 Inorganic, Organic, Biochem](#) - Introduction to Inorganic, Organic and Biological Chemistry

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [BIOL101 General Biology I](#) - General Biology I **or** [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4
- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects **or** [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3

Total Credits: 17

Semester 2: Spring Term

- [BIOL102 General Biology II](#) - General Biology II **or** [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4
- [PBHL105 Introduction to Public Health](#) - Introduction to Public Health Credits: 3
- [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 16

Semester 3: Fall Term

- [CHEM116 Chemistry in Life](#) - Chemistry in Life Credits: 4
- [PBHL205 Issues in Disaster Management](#) - Public Health Issues in Disaster Management Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

- [HESC105 Medical Terminology](#) - Medical Terminology **or** [HESC115 Nutrition and Health](#) - Nutrition and Health Credits: 3

Total Credits: 13

Semester 4: Spring Term

- [CHEM136 Inorganic, Organic, Biochem](#) - Introduction to Inorganic, Organic and Biological Chemistry Credits: 4
- [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4 **or** higher level [Mathematics](#) General Education course
- [POLI228 Environmental Politics](#) - Environmental Politics and Policy Credits: 3
- [SOCI215 Marriage and the Family](#) - Marriage and the Family **or** [SOCI202 Analysis of Social Problems](#) - Analysis of Social Problems Credits: 3

Total Credits: 14

Program Learning Outcomes

Name PBHLT - PLO 1	Outcome Demonstrate scientific foundation knowledge and skills appropriate for students seeking advanced study in the field of public health.
Name PBHLT - PLO 2	Outcome Apply the scientific method of inquiry to gather and analyze data and use information relevant to major local, national and global health challenges.
Name PBHLT - PLO 3	Outcome Conduct a literature search on health issues using a variety of academic and public resources.
Name PBHLT - PLO 4	Outcome Engage in collaborative approaches for improving population health.

PLGLA - Paralegal Studies, Academic Credit Certificate

General

Program Title
Paralegal Studies, Academic Credit Certificate

Program Code
PLGLA

Program Description
This accelerated program is designed for students who possess a bachelor's or associate's degree and want to complete the requirements necessary to perform as a paralegal in a law office, corporate environment, or government office by offering the necessary paralegal courses to achieve competency in this profession. The purpose of this certificate is to train paralegals/legal assistants. It is not intended to be a program for training lawyers or legal administrators. A paralegal/legal assistant may not engage in the practice of law by accepting cases, giving legal advice, appearing in court, setting fees, etc. Engaging in the unauthorized practice of law is a criminal offense in the State of New Jersey.

Graduates of this program will be able to:
- Draft legal documents in selected areas of law
- Exhibit technology skills
- Perform computerized and manual legal research
- Utilize legal software programs
- Utilize word processing to draft legal documents
- Demonstrate ethical and professional responsibility

Requirements

Requirements

General Education- 6 credits as follows:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- Any other [General Education](#) Course that follows the A.A.S. degree (MUSI and [COMP129 Information Technology](#) may not be used to satisfy the General Education requirement.)

Career Studies- 25 credits as follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [LEGL105 Introduction to Law](#) or PLGL105 - Introduction to Law Credits: 3
- [LEGL106 Legal Research and Writing](#) or PLGL106 - Legal Research and Writing Credits: 4
- [LEGL125 Real Property Transactions](#) or PLGL125 - Real Property Transactions Credits: 3 *
- [LEGL135 Family Law](#) or PLGL135 - Family Law Credits: 3 *
- [LEGL145 Legal Ethics](#) or PLGL145 - Legal Ethics Credits: 3
- [LEGL205 Civil Litigation & Trial Pract](#) or PLGL205 - Civil Litigation and Trial Practice Credits: 3 **
- [LEGL210 Computer Applications in Law](#) or PLGL210 - Computer Applications in Law Credits: 3
- [LEGL225 Wills, Estates and Probate](#) or PLGL225 - Wills, Estates and Probate Credits: 3

Total Credits: 31

Notes:

* Offered Fall Term only

** Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in one year, with a Fall Term start date.

Semester 1: Fall Term

- [LEGL105 Introduction to Law](#) or PLGL105 - Introduction to Law Credits: 3
- [LEGL125 Real Property Transactions](#) or PLGL125 - Real Property Transactions Credits: 3
- [LEGL106 Legal Research and Writing](#) or PLGL106 - Legal Research and Writing Credits: 4
- [LEGL135 Family Law](#) or PLGL135 - Family Law Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3

Total Credits: 16

Semester 2: Spring Term

- [LEGL145 Legal Ethics](#) or PLGL145 - Legal Ethics Credits: 3
- [LEGL205 Civil Litigation & Trial Pract](#) or PLGL205 - Civil Litigation and Trial Practice Credits: 3
- [LEGL210 Computer Applications in Law](#) or PLGL210 - Computer Applications in Law Credits: 3
- [LEGL225 Wills, Estates and Probate](#) or PLGL225 - Wills, Estates and Probate Credits: 3
- [General Education](#) Credits: 3

Total Credits: 15

Program Learning Outcomes

Name PLGLA - PLO 1	Outcome Draft legal documents in selected areas of law.
Name PLGLA - PLO 2	Outcome Exhibit technology skills.
Name PLGLA - PLO 3	Outcome Perform computerized and manual legal research.
Name PLGLA - PLO 4	Outcome Utilize legal software programs.
Name PLGLA - PLO 5	Outcome Utilize word processing to draft legal documents.

Name PLGLA - PLO 6	Outcome Demonstrate ethical and professional responsibility.

PLGLS - Paralegal Studies Program, A.A.S.

General

Program Title

Paralegal Studies Program, A.A.S.

Program Code

PLGLS

Program Description

This program prepares students for entry level work in the legal field and further study of law through transfer by teaching foundational skills and competencies in the practice of law. Courses provide instruction in areas of substantive and procedural law, legal interpretation, legal writing, logical reasoning and analysis. The Legal Studies Department at Brookdale Community College is an institutional member of the American Association for Paralegal Education (AAfPE) and maintains a chapter of the Lambda Epsilon Chi (LEX) Honor Society.

Graduates of this program will be able to:

- Examine the concepts and principles of substantive and procedural law
- Demonstrate information literacy using electronic and other sources to conduct legal research
- Utilize legal software programs and other applications to draft legal documents
- Demonstrate ethical and professional responsibility

Requirements

Requirements

General Education: 20-22 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) or [Social Sciences](#) Credits: 3-4
- [Mathematics/Science/Technological Competency](#) Credits: 3
- Any [General Education](#) Credits: 8-9

General Education Note:

MUSI courses and COMP129 may not be used to satisfy the 20-credit General Education requirement.

Career Studies: 16 Credits as Follows:

A grade of "C" or higher is required in career studies courses.

- [LEGL105 Introduction to Law](#) or PLGL105 - Introduction to Law Credits: 3
- [LEGL106 Legal Research and Writing](#) or PLGL106 - Legal Research and Writing Credits: 4
- [LEGL145 Legal Ethics](#) or PLGL145 - Legal Ethics Credits: 3
- [LEGL205 Civil Litigation & Trial Pract](#) or PLGL205 - Civil Litigation and Trial Practice Credits: 3 **
- [LEGL210 Computer Applications in Law](#) or PLGL210 - Computer Applications in Law Credits: 3

Career Studies: 12 Credits From Among the Following:

A grade of "C" or higher is required in career studies courses.

- [LEGL125 Real Property Transactions](#) or PLGL125 - Real Property Transactions Credits: 3 *
- [LEGL135 Family Law](#) or PLGL135 - Family Law Credits: 3 *
- [LEGL215 Criminal Procedure](#) or PLGL215 - Criminal Procedure Credits: 3 **
- [LEGL225 Wills, Estates and Probate](#) or PLGL225 - Wills, Estates and Probate Credits: 3
- [LEGL226 Corporate Law Procedure](#) or PLGL226 - Corporate Law Procedure Credits: 3 *
- [LEGL237 Elder Law](#) or PLGL237 - Elder Law Credits: 3 **
- [LEGL299 Paralegal Internship](#) or PLGL299 - Paralegal Internship Credits: 3

Career Studies: 9 Credits From Courses Remaining Above, or From the Following:

A grade of "C" or higher is required in career studies courses.

- [BUSI221 Business Law I](#) - Business Law I Credits: 3
- [BUSI222 Business Law II](#) - Business Law II Credits: 3 ***
- [LEGL126 Constitutional Law](#) or PLGL126 - Constitutional Law Credits: 3 *
- [LEGL206 Torts](#) or PLGL206 - Torts Credits: 3 **
- [LEGL235 Entertainment Law I](#) or PLGL235 - Entertainment Law I Credits: 3 ***
- [LEGL295 Special Project-Paralegal](#) or PLGL295 - Missing course - Special Project - Paralegal Studies Credits: 1-4

Electives: 1-3 Credits

Total Credits Required for Degree: 60

Notes:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

*Offered Fall Term only

**Offered Spring Term only

***Offered Summer Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [LEGL105 Introduction to Law](#) or PLGL105 - Introduction to Law Credits: 3
- Career Studies Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Social Sciences](#) Credits: 3
- [LEGL145 Legal Ethics](#) or PLGL145 - Legal Ethics Credits: 3

Total Credits: 15

Semester 2: Spring Term

- Career Studies Credits: 6
- [LEGL106 Legal Research and Writing](#) or PLGL106 - Legal Research and Writing Credits: 4
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 16

Semester 3: Fall Term

- [LEGL210 Computer Applications in Law](#) or PLGL210 - Computer Applications in Law Credits: 3
- Career Studies Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- [General Education](#) Credits: 3 (1)

Total Credits: 15-16

Semester 4: Spring Term

- [LEGL205 Civil Litigation & Trial Pract](#) or PLGL205 - Civil Litigation and Trial Practice Credits: 3 **
- Career Studies Credits: 6
- [General Education](#) Credits: 3
- Elective Credits: 1-3

Total Credits: 13-15

Sequence Notes:

**Offered Spring Term only

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name PLGLS - PLO 1	Outcome Examine the concepts and principles of substantive and procedural law.
Name PLGLS - PLO 2	Outcome Demonstrate information literacy using electronic and other sources to conduct legal research.
Name PLGLS - PLO 3	Outcome Utilize legal software programs and other applications to draft legal documents.
Name PLGLS - PLO 4	Outcome Demonstrate ethical and professional responsibility.

RADTH - Radiologic Technology Program, A.A.S.

General

Program Title

Radiologic Technology Program, A.A.S.

Program Code

RADTH

Program Description

This program prepares students for entry-level positions in diagnostic imaging. Students work with patients, performing a full range of diagnostic radiographic procedures. Clinical experience is required of all students. Graduates are employed by hospitals, clinics, diagnostic imaging centers and physician's offices. Upon completion of the Radiologic Technology Program, students will be eligible to sit for the American Registry of Radiologic Technologists examination in Radiography. After successful completion of this examination and application to the Board of Radiologic Technology Examiners, the graduate is also eligible for state licensure. The program is accredited by the Joint Review Committee on Education in Radiologic Technology, 20 North Wacker Drive, Suite 2850, Chicago, Illinois 60606, (312) 704-5300 <http://www.jrcert.org>. Specific admission criteria for the program are outlined in the Admission and Registration section of the College Catalog. Separate policies exist for the Radiologic Technology Program, including grading. These policies can be found in the Radiologic Technology Student Handbook.

Graduates of this program will be able to:

- Perform radiography procedures at a clinically competent level for an entry level radiographer
- Communicate effectively with patients and peers
- Use critical thinking to achieve appropriate procedure outcomes
- Demonstrate professional and ethical behaviors as a health care provider

Requirements

Requirements

General Education: 20 Credits as Follows:

- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3

Career Studies: 51 Credits as Follows:

A grade of a "C" or higher must be earned in all career studies courses in order to complete this program.

- [HESC105 Medical Terminology](#) - Medical Terminology Credits: 3
- [RADT150 Intro to Radiologic Technology](#) - Introduction to Radiologic Technology Credits: 2 (Online)*
- [RADT151 Radiographic Exposure](#) - Radiographic Exposure Credits: 3

- [RADT152 Radiographic Procedures I](#) - Radiographic Procedures I Credits: 6
- [RADT153 Methods of Patient Care](#) - Methods of Patient Care Credits: 3
- [RADT155 Radiation Biology](#) - Principles of Radiation Biology Credits: 2
- [RADT156 Equipment Operation I](#) - Equipment Operation I Credits: 2
- [RADT157 Radiographic Procedures II](#) - Radiographic Procedures II Credits: 6
- [RADT158 Clinical Practicum I](#) - Clinical Practicum I Credits: 2
- [RADT250 Equipment Operation II](#) - Equipment Operation II Credits: 2
- [RADT251 Adv Medical Imaging Modalities](#) - Advanced Medical Imaging Modalities Credits: 3
- [RADT252 Radiographic Procedures III](#) - Radiographic Procedures III Credits: 6
- [RADT255 Radiographic Pathology](#) - Radiographic Pathology Credits: 2 (Online)*
- [RADT256 Professional Issues](#) - Professional Issues in Health Care Credits: 2 (Online)*
- [RADT267 Advanced Imaging Procedures](#) - Advanced Imaging Procedures Credits: 7

Notes:

*Offered Online only

Total Credits Required for Degree: 71

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress. Students must satisfy specific requirements in order to be admitted to this program. See Admission to Health Science Programs, [Registration and Records](#) section of the catalog.

The following degree requirements must be taken prior to admission:

- [HESC105 Medical Terminology](#) - Medical Terminology Credits: 3
- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4

Semester 1: Fall Term

- [RADT150 Intro to Radiologic Technology](#) - Introduction to Radiologic Technology Credits: 2 (online)*
- [RADT151 Radiographic Exposure](#) - Radiographic Exposure Credits: 3
- [RADT152 Radiographic Procedures I](#) - Radiographic Procedures I Credits: 6
- [RADT153 Methods of Patient Care](#) - Methods of Patient Care Credits: 3

Total Credits: 14

Semester 2: Spring Term

- [RADT155 Radiation Biology](#) - Principles of Radiation Biology Credits: 2
- [RADT156 Equipment Operation I](#) - Equipment Operation I Credits: 2

- [RADT157 Radiographic Procedures II](#) - Radiographic Procedures II Credits: 6
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4

Total Credits: 17

Summer Term

- [RADT158 Clinical Practicum I](#) - Clinical Practicum I Credits: 2

Semester 3: Fall Term

- [RADT250 Equipment Operation II](#) - Equipment Operation II Credits: 2
- [RADT251 Adv Medical Imaging Modalities](#) - Advanced Medical Imaging Modalities Credits: 3
- [RADT252 Radiographic Procedures III](#) - Radiographic Procedures III Credits: 6
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3

Total Credits: 17

Semester 4: Spring Term

- [RADT255 Radiographic Pathology](#) - Radiographic Pathology Credits: 2 (online)*
- [RADT256 Professional Issues](#) - Professional Issues in Health Care Credits: 2 (online)*
- [RADT267 Advanced Imaging Procedures](#) - Advanced Imaging Procedures Credits: 7
- [Humanities](#) Credits: 3 (1)

Total Credits: 14

Sequence Notes:

This degree may take longer than two years to complete. Although not required to be taken prior to beginning the program, general education courses may be taken before starting clinical courses or during the summer terms.

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Name	Outcome
RADTH - PLO 3	Use critical thinking to achieve appropriate procedure outcomes.

Name	Outcome
RADTH - PLO 4	Demonstrate professional and ethical behaviors as a health care provider.

Program Learning Outcomes

Name	Outcome
RADTH - PLO 1	Perform radiography procedures at a clinically competent level for an entry level radiographer.

Name	Outcome
RADTH - PLO 2	Communicate effectively with patients and peers.

RSPTC - Respiratory Care Program, A.A.S.

General

Program Title

Respiratory Care Program, A.A.S.

Program Code

RSPTC

Program Description

This program prepares students for entry-level positions in respiratory care. Students work with patients in the treatment, management and control of problems and abnormalities associated with the cardiopulmonary system. Graduates work closely with patients, doctors, and nurses to provide diagnostic testing, therapeutics, education, rehabilitation, monitoring, life support and other specialized methods of treatment. Clinical learning experiences are required of all students. Upon completion of the program students are eligible to sit for the National Board of Respiratory Care (NBRC) Examination. After successful completion of this examination and application to the Respiratory Care Board, the graduate is also eligible for state licensure as a Certified Respiratory Therapist. Once licensed, graduates are eligible to take the Advanced Practitioner Examinations to become a Registered Respiratory Therapist (RRT). The Respiratory Care Program, CoARC Program Number 200185, A.A.S., Lincroft, NJ is accredited by the Commission on Accreditation for Respiratory Care (<https://coarc.com/>), 264 Precisions Blvd, Telford, TN 37690, (817)283-2835. Specific admission criteria for the program are outlined in the Admission and Registration section of the College Catalog. Separate policies exist for the Respiratory program including grading. These policies can be found in the Respiratory Therapy Student Handbook.

Graduates of this program will be able to:

- Assess, analyze, implement and evaluate respiratory care
- Perform respiratory quality control activities
- Apply basic principles of management in the care of groups of patients
- Exhibit therapeutic communication skills
- Incorporate ethical/legal considerations into the respiratory action plan
- Practice as a member of a diverse interdisciplinary health care team
- Continue personal and professional growth
- Incorporate principles from the social sciences, biologic sciences and humanities into their practice
- Practice within the limits and scope of a licensed respiratory therapist

Requirements

Requirements

General Education: 24 Credits as Follows:

- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4
- [BIOL213 Microbiology](#) - Microbiology Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [Humanities](#) Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3

Career Studies: 45 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [HESC105 Medical Terminology](#) - Medical Terminology Credits: 3
- [RESP161 Cardiopulm. Anat. and Physiol.](#) - Cardiopulmonary Anatomy and Physiology Credits: 3
- [RESP162 Fund. Skills in Resp. Care](#) - Fundamental Skills in Respiratory Care Credits: 7
- [RESP163 Cardiopulmonary Pathophysiol.](#) - Cardiopulmonary Pathophysiology Credits: 4
- [RESP164 Patient Assessmnt & Diagnostic](#) - Patient Assessment and Diagnostics Credits: 6
- [RESP165 Adv Life Support & Emer Care](#)RESP165 - Advanced Life Support and Emergency Care Credits: 2
- [RESP261 Neonatal & Pediatric Resp Care](#) - Neonatal & Pediatric Respiratory Care Credits: 2
- [RESP262 Adult Critical Care](#) - Adult Critical Care Credits: 7
- [RESP263 Subacute Respiratory Care](#) - Subacute Respiratory Care Credits: 2
- [RESP264 Respiratory Care Practice](#) - Respiratory Care Practice Credits: 7
- [RESP265 Issues in Respiratory Care](#) - Issues in Respiratory Care Credits: 2

Total Credits Required for Degree: 69

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress. Students must satisfy specific requirements in order to be admitted to this program. See Admission to Health Science Programs, [Registration and Records](#) section of this catalog.

The following degree requirements must be taken prior to admission to program:

[HESC105 Medical Terminology](#) - Medical Terminology Credits: 3

Semester 1: Fall Term

- [RESP161 Cardiopulm. Anat. and Physiol.](#) - Cardiopulmonary Anatomy and Physiology Credits: 3
- [RESP162 Fund. Skills in Resp. Care](#) - Fundamental Skills in Respiratory Care Credits: 7
- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3

Total Credits: 17

Semester 2: Spring Term

- [RESP163 Cardiopulmonary Pathophysiol.](#) - Cardiopulmonary Anatomy and Physiology Credits: 4
- [RESP164 Patient Assessmnt & Diagnostic](#) - Patient Assessment and Diagnostics Credits: 6
- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4

- [RESP165 Adv Life Support & Emer Care](#) - Advanced Life Support and Emergency Care Credits: 2

Total Credits: 16

Semester 3: Fall Term

- [RESP261 Neonatal & Pediatric Resp Care](#) - Neonatal & Pediatric Respiratory Care Credits: 2
- [RESP262 Adult Critical Care](#) - Adult Critical Care Credits: 7
- [BIOL213 Microbiology](#) - Microbiology Credits: 4
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [RESP263 Subacute Respiratory Care](#) - Subacute Respiratory Care Credits: 2
- [RESP264 Respiratory Care Practice](#) - Respiratory Care Practice Credits: 7
- [RESP265 Issues in Respiratory Care](#) - Issues in Respiratory Care Credits: 2
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 3 (1)

Total Credits: 17

Sequence Notes:

This degree may take longer than two years to complete. The above sequence is an example of how this degree can be completed in two years. Although not required to be taken prior to beginning the program, general education courses may be taken before starting clinical courses or during the summer terms.

(1) One course is recommended from the [Cultural & Global Awareness](#) knowledge area.

Advanced Placement in Respiratory Therapy

Certified Respiratory Therapists and persons with previous experience in Respiratory Therapy may be eligible for Advanced Placement. Applicants for Advanced Placement must have met all criteria for Allied Health admission and have completed all program requirements in order to be eligible for graduation. The process and criteria for Advanced Placement are available by request from the Allied Health Office.

Program Learning Outcomes

Name RSPTC - PLO 1	Outcome Assess, analyze, implement and evaluate respiratory care.
Name RSPTC - PLO 2	Outcome Perform respiratory quality control activities.

Name RSPTC - PLO 3	Outcome Apply basic principles of management in the care of groups of patients.
Name RSPTC - PLO 4	Outcome Exhibit therapeutic communication skills.
Name RSPTC - PLO 5	Outcome Incorporate ethical/legal considerations into the respiratory action plan.
Name RSPTC - PLO 6	Outcome Practice as a member of a diverse interdisciplinary health care team.
Name RSPTC - PLO 7	Outcome Continue personal and professional growth.
Name RSPTC - PLO 8	Outcome Incorporate principles from the social sciences, biologic sciences and humanities into their practice.
Name RSPTC - PLO 9	Outcome Practice within the limits and scope of a licensed respiratory therapist.

SOCHS - Social Sciences Program, Health Science Option, A.A.

General

Program Title

Social Sciences Program, Health Science Option, A.A.

Program Code

SOCHS

Program Description

Effective Spring 2014. This option is designed for students seeking a career in health sciences. Students will have the option of finishing this program and transferring to a four-year institution to complete their Bachelor's degree or transitioning to, upon completion of admission requirements, one of the College's A.A.S. degrees in Nursing, Radiologic Technology, Respiratory Care, Dental Hygiene or Medical Laboratory Technology as much of the general education course work is the same. AAS health science programs have admissions requirements and application procedures that are available in the College Catalog.

Graduates of this program will be able to:

- Use social science theories and concepts to analyze human behavior
- Demonstrate scientific foundation knowledge and skills appropriate for students seeking a career in health
- Identify key communication skills essential in healthcare practice
- Debate the implications of health issues on society
- Examine ethical issues and situations

Requirements

Requirements

General Education: 47-48 Credits

As described in the [General Education](#) section of the catalog.

The following General Education courses are required for this program:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
 - Recommended:
 - [PHIL227 Introduction to Ethics](#) - Introduction to Ethics or any Literature course Credits: 3
- [MATH131 Statistics](#) - Statistics Credits: 4 or any General Education MATH course Credits: 3-4 (updated 12/21/22)
- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- [ANTH105 Cultural Anthropology](#) - Cultural Anthropology Credits: 3

- [History](#) Credits: 6
 - Any General Education History courses

Career Studies: 5 Credits as Follows:

- [HESC107 Health Care Career Exploration](#) - Health Care Career Exploration Credits: 2
- 3 credits from among the following:
 - [HESC105 Medical Terminology](#) - Medical Terminology Credits: 3
 - [HESC115 Nutrition and Health](#) - Nutrition and Health Credits: 3
 - [HESC165 Pathophysiology](#) - Pathophysiology Credits: 3

Career Studies: 7-8 Credits as Follows:

- [BIOL213 Microbiology](#) - Microbiology Credits: 4
- [PSYC208 Life Span Development](#) - Life Span Development Credits: 3
- [CHEM136 Inorganic, Organic, Biochem](#) - Introduction to Inorganic, Organic and Biological Chemistry Credits: 4
- [PSYC216 Intro to Psychopathology](#) - Introduction to Psychopathology Credits: 3
- [PSYC247 Quantitative Methods in Psych](#) - Quantitative Methods in Psychology Credits: 4
- [SOCI202 Analysis of Social Problems](#) - Analysis of Social Problems Credits: 3
- [SOCI215 Marriage and the Family](#) - Marriage and the Family Credits: 3

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how the degree may be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress. See Admission to Health Science programs <http://www.brookdalecc.edu/admissions/admissions/applying-to-brookdale/health-sciences-admissions/>

Semester 1: Fall Term

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [BIOL111 Anatomy and Physiology I](#) - Anatomy and Physiology I Credits: 4
- [MATH131 Statistics](#) - Statistics Credits: 4 or any [Mathematics](#) General Education course Credits: 3-4
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [HESC107 Health Care Career Exploration](#) - Health Care Career Exploration Credits: 2

Total Credits: 15-16

Semester 2: Spring Term

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [BIOL112 Anatomy and Physiology II](#) - Anatomy and Physiology II Credits: 4

- [HESC105 Medical Terminology](#) - Medical Terminology **or** [HESC115 Nutrition and Health](#) - Nutrition and Health **or** [HESC165 Pathophysiology](#) - Pathophysiology Credits: 3
- [HIST105 World Civilization I](#) - World Civilization I **or** any [History](#) General Education course Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 16

Semester 3: Fall Term

- Career Studies Credits: 4
- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [ANTH105 Cultural Anthropology](#) - Cultural Anthropology Credits: 3
- [SOC101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- [HIST106 World Civilization II](#) - World Civilization II **or** any [History](#) General Education course Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 6
 - Recommended:
 - [PHIL227 Introduction to Ethics](#) - Introduction to Ethics Credits: 3
- Career Studies Credits: 3-4

Total Credits: 12-13

Program Learning Outcomes

Name SOCHS - PLO 1	Outcome Use social science theories and concepts to analyze human behavior.
Name SOCHS - PLO 2	Outcome Demonstrate scientific foundation knowledge and skills appropriate for students seeking a career in health.
Name SOCHS - PLO 3	Outcome Identify key communication skills essential in healthcare practice.
Name SOCHS - PLO 4	Outcome Debate the implications of health issues on society.
Name SOCHS - PLO 5	Outcome Examine ethical issues and situations.

SOCMDA - Social Media, Certificate of Achievement

General

Program Title

Social Media, Certificate of Achievement

Program Code

SOCMDA

Program Description

This certificate is designed for individuals or businesses to use social media to build a web presence or brand.

Graduates of this program will be able to:

- Identify the audience and their expectations to develop a compelling message using the appropriate social media feed
- Apply research skills and techniques to keep abreast of the ever-changing field of media
- Use social media to manage web presence or brand
- Identify and avoid potential pitfalls within social networks
- Analyze social media marketing effectiveness via social media metrics
- Use social media to appropriately and effectively interact with the already empowered audience

Requirements

Requirements

Career Studies: 9 Credits as Follows:

- [ENGL129 - Missing course](#) - Writing for Business and Social Media Credits: 3
- [ENGL170 Introduction to Social Media](#) - Introduction to Social Media Credits: 3
- [MRKT115 Social Media Marketing](#) - Social Media Marketing Credits: 3

Total Credits: 9

Program Learning Outcomes

Name SOCMDA - PLO 1	Outcome Identify the audience and their expectations to develop a compelling message using the appropriate social media feed.
Name SOCMDA - PLO 2	Outcome Apply research skills and techniques to keep abreast of the ever-changing field of media.
Name SOCMDA - PLO 3	Outcome Use social media to manage web presence or brand.

Name SOCMDA - PLO 4	Outcome Identify and avoid potential pitfalls within social networks.
Name SOCMDA - PLO 5	Outcome Analyze social media marketing effectiveness via social media metrics.
Name SOCMDA - PLO 6	Outcome Use social media to appropriately and effectively interact with the already empowered audience.

SOCNU - Social Science - Nursing Track

General

Program Title

Social Science - Nursing Track

Program Code

SOCNU

Program Description

Effective Spring 2014. This option is designed for students seeking a career in health sciences. Students will have the option of finishing this program and transferring to a four-year institution to complete their Bachelor's degree or transitioning to, upon completion of admission requirements, one of the College's A.A.S. degrees in Nursing, Radiologic Technology, Respiratory Care, Dental Hygiene or Medical Laboratory Technology as much of the general education course work is the same. AAS health science programs have admissions requirements and application procedures that are available in the College Catalog.

Graduates of this program will be able to:

Brookdale Community College provides a program that prepares graduates who will function effectively with patients, families, and interdisciplinary teams, fostering mutual respect and shared decision making to enhance patient satisfaction and health outcomes.

- Use clinical reasoning to provide holistic patient-centered care to diverse patient populations across the lifespan.
- Assume accountability for own behavior and nursing practice based upon legal and ethical principles, regulatory guidelines, and professional standards.
- Manage patient care through effective communication, interdisciplinary collaboration and information technology to support decision making within systems-based practice.
- Participate in initiatives to minimize the risk of harm and optimize the quality and safety of patient care through individual performance and system effectiveness.
- Use the best current evidence coupled with clinical expertise and consideration of patients' preferences, experience and values to make practice decisions.

Requirements

Requirements

General Education: 24 Credits as Follows:

- [BIOL111 Anatomy and Physiology I](#) Credits: 4 (A grade of "C" or higher)
- [BIOL112 Anatomy and Physiology II](#) Credits: 4 (A grade of "C" or higher)
- [BIOL213 Microbiology](#) Credits: 4 (A grade of "C" or higher)
- [ENGL121 English Comp: Writing Process](#) Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) Credits: 3
- PSYC106 - Introduction to Psychology II: Personality and Social Aspects Credits: 3
- [PSYC208 Life Span Development](#) Credits: 3

Career Studies: 40 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [HESC105 Medical Terminology](#) or [HESC115 Nutrition and Health](#) or [HESC165 Pathophysiology](#) or [PBHL105- Introduction to Public Health](#) Credits: 3
- HESC107 - Health Care Career Exploration Credits: 2
- NURS111 - Professional Roles I Credits: 1

- [NURS112 Professional Roles II](#) Credits: 1
- NURS125 - Pharmacology for Nurses Credits: 2
- NURS165 - Issues in Nursing Credits: 2
- NURS171 - Nursing Concepts I Credits: 6
- [NURS172 Nursing Concepts II](#) Credits: 6
- [NURS211 Professional Roles III](#) Credits: 1
- [NURS212 - Missing course](#) Credits: 4
- [NURS271 Nursing Concepts III](#) Credits: 7
- [NURS272 - Missing course](#) Credits: 5

Credits Required for Degree: 64

Suggested Sequence

The following sequence is an example of how this program can be completed. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options, or to monitor your progress. Students must satisfy specific requirements in order to be admitted to this program. See Admission to Health Science Program, [Registration and Records](#) section of this catalog or visit the [Nursing Program web page](#).

Semester 1

- [BIOL111 Anatomy and Physiology I](#) Credits: 4
- [ENGL121 English Comp: Writing Process](#) Credits: 3
- [PSYC106 Intro to Psych II](#) Credits: 3
- HESC107 - Health Care Career Exploration Credits: 2
- [HESC105 Medical Terminology](#) or [HESC115 Nutrition and Health](#) or [HESC165 Pathophysiology](#) Credits: 3

Total Credits: 15

Semester 2

- [BIOL112 Anatomy and Physiology II](#) Credits: 4
- NURS111 - Professional Roles I Credits: 1
- NURS125 - Pharmacology for Nurses Credits: 2
- NURS171 - Nursing Concepts I Credits: 6

Total Credits: 13

Semester 3

- [PSYC208 Life Span Development](#) Credits: 3
- NURS165 - Issues in Nursing Credits: 3
- [NURS112 Professional Roles II](#) Credits: 1
- [NURS172 Nursing Concepts II](#) Credits: 6

Total Credits: 12

Semester 4

- BIOL213 - Microbiology Credits: 4
- [NURS211 Professional Roles III](#) Credits: 1
- [NURS271 Nursing Concepts III](#) Credits: 7

Total Credits: 12

Semester 5

- [ENGL122 Engl Comp: Writing & Research](#) Credits: 3
- [NURS212 - Missing course](#) Credits: 4
- [NURS272 - Missing course](#) Credits: 5

Total Credits: 12

Sequence Note:

Faculty recommend that ENGL122 be taken in the summer term. For a full-time credit load in semester 5, students may take courses required for the BSN degree.

Program Learning Outcomes

Name SOCNU - PLO 1	Outcome Brookdale Community College provides a program that prepares graduates who will function effectively with patients, families, and interdisciplinary teams, fostering mutual respect and shared decision making to enhance patient satisfaction and health outcomes.
Name SOCNU - PLO 2	Outcome Use clinical reasoning to provide holistic patient-centered care to diverse patient populations across the lifespan.
Name SOCNU - PLO 3	Outcome Assume accountability for own behavior and nursing practice based upon legal and ethical principles, regulatory guidelines, and professional standards.
Name SOCNU - PLO 4	Outcome Manage patient care through effective communication, interdisciplinary collaboration and information technology to support decision making within systems-based practice.
Name SOCNU - PLO 5	Outcome Participate in initiatives to minimize the risk of harm and optimize the quality and safety of patient care through individual performance and system effectiveness.

Name SOCNU - PLO 6	Outcome Use the best current evidence coupled with clinical expertise and consideration of patients' preferences, experience and values to make practice decisions.

SOCRC - Social Science - Respiratory Care Track

General

Program Title

Social Science - Respiratory Care Track

Program Code

SOCRC

Program Description

Effective Spring 2014. This option is designed for students seeking a career in health sciences. Students will have the option of finishing this program and transferring to a four-year institution to complete their Bachelor's degree or transitioning to, upon completion of admission requirements, one of the College's A.A.S. degrees in Nursing, Radiologic Technology, Respiratory Care, Dental Hygiene or Medical Laboratory Technology as much of the general education course work is the same. AAS health science programs have admissions requirements and application procedures that are available in the College Catalog.

Graduates of this program will be able to:

- Assess, analyze, implement and evaluate respiratory care
- Perform respiratory quality control activities
- Apply basic principles of management in the care of groups of patients
- Exhibit therapeutic communication skills
- Incorporate ethical/legal considerations into the respiratory action plan
- Practice as a member of a diverse interdisciplinary health care team
- Continue personal and professional growth
- Incorporate principles from the social sciences, biologic sciences and humanities into their practice
- Practice within the limits and scope of a licensed respiratory therapist

Requirements

Requirements

General Education: 24 Credits as Follows:

- [BIOL111 Anatomy and Physiology I](#) Credits: 4
- [BIOL112 Anatomy and Physiology II](#) Credits: 4
- [BIOL213 - Microbiology](#) Credits: 4
- [ENGL121 English Comp: Writing Process](#) Credits: 3
- [PSYC106 Intro to Psych II](#) Credits: 3
- [Humanities](#) Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) or [SPCH115 - Public Speaking](#) Credits: 3

Career Studies: 45 Credits as Follows:

A grade of "C" or higher must be earned in all career studies courses in order to complete this program.

- [HESC105 Medical Terminology](#) Credits: 3
- [RESP161 Cardiopulm. Anat. and Physiol.](#) Credits: 3
- [RESP162 Fund. Skills in Resp. Care](#) Credits: 7
- [RESP163 Cardiopulmonary Pathophysiol.](#) Credits: 4
- [RESP164 - Patient Assessment and Diagnostics](#) Credits: 6
- [RESP165 Adv Life Support & Emer Care](#) Credits: 2
- [RESP261 Neonatal & Pediatric Resp Care](#) Credits: 2
- [RESP262 Adult Critical Care](#) Credits: 7

- [RESP263 Subacute Respiratory Care](#) Credits: 2
- [RESP264 Respiratory Care Practice](#) Credits: 7
- [RESP265 Issues in Respiratory Care](#) Credits: 2

Total Credits Required for Degree: 69

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress. Students must satisfy specific requirements in order to be admitted to this program. See Admission to Health Science Programs, [Registration and Records](#) section of this catalog.

The following degree requirement must be taken prior to admission to program:

- [HESC105 Medical Terminology](#) Credits: 3

Semester 1: Fall Term

- [RESP161 Cardiopulm. Anat. and Physiol.](#) Credits: 3
- [RESP162 Fund. Skills in Resp. Care](#) Credits: 7
- [BIOL111 Anatomy and Physiology I](#) Credits: 4
- [ENGL121 English Comp: Writing Process](#) Credits: 3

Total Credits: 17

Semester 2: Spring Term

- [RESP163 Cardiopulmonary Pathophysiol.](#) Credits: 4
- [RESP164 Patient Assessmnt & Diagnostic](#) Credits: 6
- [BIOL112 Anatomy and Physiology II](#) Credits: 4
- [RESP165 Adv Life Support & Emer Care](#) Credits: 2

Total Credits: 16

Semester 3: Fall Term

- [RESP261 Neonatal & Pediatric Resp Care](#) Credits: 2
- [RESP262 Adult Critical Care](#) Credits: 7
- [BIOL213 - Microbiology](#) Credits: 4
- [PSYC106 Intro to Psych II](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [RESP263 Subacute Respiratory Care](#) Credits: 2
- [RESP264 Respiratory Care Practice](#) Credits: 7
- [RESP265 Issues in Respiratory Care](#) Credits: 2
- [ENGL122 Engl Comp: Writing & Research](#) or [SPCH115 Public Speaking](#) Credits: 3
- [Humanities](#) Credits: 3 (1)

Total Credits: 17

Sequence Notes:

This degree may take longer than two years to complete. The above sequence is an example of how this degree can be completed in two years. Although not required to be taken prior to beginning the program, general education courses may be taken before starting clinical courses or during the summer terms.

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name SOCRC - PLO 1	Outcome Assess, analyze, implement and evaluate respiratory care.
Name SOCRC - PLO 2	Outcome Perform respiratory quality control activities.
Name SOCRC - PLO 3	Outcome Apply basic principles of management in the care of groups of patients.
Name SOCRC - PLO 4	Outcome Exhibit therapeutic communication skills.
Name SOCRC - PLO 5	Outcome Incorporate ethical/legal considerations into the respiratory action plan.
Name SOCRC - PLO 6	Outcome Practice as a member of a diverse interdisciplinary health care team.
Name SOCRC - PLO 7	Outcome Continue personal and professional growth.
Name SOCRC - PLO 8	Outcome Incorporate principles from the social sciences, biologic sciences and humanities into their practice.
Name SOCRC - PLO 9	Outcome Practice within the limits and scope of a licensed respiratory therapist.

SOCRT - Social Science - Radiologic Tech Track

General

Program Title

Social Science - Radiologic Tech Track

Program Code

SOCRT

Program Description

Effective Spring 2014. This option is designed for students seeking a career in health sciences. Students will have the option of finishing this program and transferring to a four-year institution to complete their Bachelor's degree or transitioning to, upon completion of admission requirements, one of the College's A.A.S. degrees in Nursing, Radiologic Technology, Respiratory Care, Dental Hygiene or Medical Laboratory Technology as much of the general education course work is the same. AAS health science programs have admissions requirements and application procedures that are available in the College Catalog.

Graduates of this program will be able to:

- Perform radiography procedures at a clinically competent level for an entry level radiographer
- Communicate effectively with patients and peers
- Use critical thinking to achieve appropriate procedure outcomes
- Demonstrate professional and ethical behaviors as a health care provider

Requirements

Requirements

General Education: 20 Credits as Follows:

- [BIOL111 Anatomy and Physiology I](#) Credits: 4
- [BIOL112 Anatomy and Physiology II](#) Credits: 4
- [ENGL121 English Comp: Writing Process](#) Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) or [SPCH115 - Public Speaking](#) Credits: 3
- [Humanities](#) Credits: 3
- [PSYC106 Intro to Psych II](#) Credits: 3

Career Studies: 51 Credits as Follows:

A grade of a "C" or higher must be earned in all career studies courses in order to complete this program.

- [HESC105 Medical Terminology](#) Credits: 3
- [RADT150 - Introduction to Radiologic Technology](#) Credits: 2
- [RADT151 - Radiographic Exposure](#) Credits: 3
- [RADT152 - Radiographic Procedures I](#) Credits: 6
- [RADT153 Methods of Patient Care](#) Credits: 3
- [RADT155 Radiation Biology](#) Credits: 2
- [RADT156 - Equipment Operation I](#) Credits: 2
- [RADT157 - Radiographic Procedures II](#) Credits: 6
- [RADT158 - Clinical Practicum I](#) Credits: 2
- [RADT250 Equipment Operation II](#) Credits: 2
- [RADT251 Adv Medical Imaging Modalities](#) Credits: 3
- [RADT252 - Radiographic Procedures III](#) Credits: 6
- [RADT255 Radiographic Pathology](#) Credits: 2

- [RADT256 Professional Issues](#) Credits: 2 (online)
- [RADT267 - Advanced Imaging Procedures](#) Credits: 7

Total Credits Required for Degree: 71

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress. Students must satisfy specific requirements in order to be admitted to this program. See Admission to Health Science Programs, [Registration and Records](#) section of the catalog.

The following degree requirements must be taken prior to admission:

- [HESC105 Medical Terminology](#) Credits: 3
- [BIOL111 Anatomy and Physiology I](#) Credits: 4

Semester 1: Fall Term

- [RADT150 - Introduction to Radiologic Technology](#) Credits: 2
- [RADT151 Radiographic Exposure](#) Credits: 3
- [RADT152 - Radiographic Procedures I](#) Credits: 6
- [RADT153 Methods of Patient Care](#) Credits: 3

Total Credits: 14

Semester 2: Spring Term

- [RADT155 Radiation Biology](#) Credits: 2
- [RADT156 Equipment Operation I](#) Credits: 2
- [RADT157 Radiographic Procedures II](#) Credits: 6
- [ENGL121 English Comp: Writing Process](#) Credits: 3
- [BIOL112 Anatomy and Physiology II](#) Credits: 4

Total Credits: 17

Summer Term

- [RADT158 - Clinical Practicum I](#) Credits: 2

Semester 3: Fall Term

- [RADT250 Equipment Operation II](#) Credits: 2
- [RADT251 - Advanced Medical Imaging Modalities](#) Credits: 3
- [RADT252 Radiographic Procedures III](#) Credits: 6
- [ENGL122 Engl Comp: Writing & Research](#) or [SPCH115 Public Speaking](#) Credits: 3
- [PSYC106 Intro to Psych II](#) Credits: 3

Total Credits: 17

Semester 4: Spring Term

- [RADT255 - Radiographic Pathology](#) Credits: 2
- [RADT256 - Professional Issues in Health Care](#) Credits: 2 (online)
- [RADT267 - Advanced Imaging Procedures](#) Credits: 7
- [Humanities](#) Credits: 3 (1)

Total Credits: 14

Sequence Notes:

This degree may take longer than two years to complete. Although not required to be taken prior to beginning the program, general education courses may be taken before starting clinical courses or during the summer terms.

(1) One course is recommended from the [Cultural and Global Awareness](#) knowledge area.

Program Learning Outcomes

Name SOCRT - PLO 1	Outcome Perform radiography procedures at a clinically competent level for an entry level radiographer.
Name SOCRT - PLO 2	Outcome Communicate effectively with patients and peers.
Name SOCRT - PLO 3	Outcome Use critical thinking to achieve appropriate procedure outcomes.
Name SOCRT - PLO 4	Outcome Demonstrate professional and ethical behaviors as a health care provider.

SOCSC - Social Sciences Program, A.A.

General

Program Title

Social Sciences Program, A.A.

Program Code

SOCSC

Program Description

The Social Sciences A.A. degree program is designed for students seeking a broad general education or transfer to a four-year institution. This program also provides personal enrichment in the social sciences. Students planning to major in the following areas should enroll in this program and choose from the following concentrations: anthropology, economics, history, interdisciplinary studies, philosophy, political science, psychology, sociology or human geography. The Social Sciences A.A. degree program will prepare students for transfer to degree programs leading to careers in the mental health professions, law, teaching, consulting, or the ministry.

Graduates of this program will be able to:

- Use social science theories and concepts to analyze human behavior, social, or political institutions
- Examine historical events and movements in World, Western, non-Western or American societies and assess their subsequent significance
- Recognize the importance of a global perspective and culturally diverse peoples
- Evaluate ethical issues and situations

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technology](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits From Among the Social Sciences

With at least 6 credits in one of the following concentrations:

- Anthropology
- Economics
- Geography
- History
- Interdisciplinary Studies

- Philosophy
- Political Science
- Psychology
- Sociology

Remaining 6 credits may be completed by taking courses from the concentrations listed above as well as Human Geography.

Elective: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Mathematics/Science/Technology Credits: 3-4 (1)
- ENGL121 English Comp: Writing Process - English Composition: The Writing Process Credits: 3
- Humanities Credits: 3
- Mathematics Credits: 3-4 (1)
- Career Studies Credits: 3

Total Credits: 15-17

Semester 2: Spring Term

- ENGL122 Engl Comp: Writing & Research - English Composition: Writing and Research Credits: 3
- Mathematics or Science Credits: 3-4 (1)
- History Credits: 3
- Social Sciences Credits: 3
- Career Studies: 3

Total Credits 15-16

Semester 3: Fall Term

- Career Studies: 3
- Communications Credits: 3
- Humanities Credits: 3
- History Credits: 3
- Science (with lab) Credits: 4 (1)

Total Credits: 16

Semester 4: Spring Term

- Career Studies: 3
- Humanities Credits: 3
- Social Sciences Credits: 3
- Cultural and Global Awareness Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the Mathematics, Science or Technology knowledge areas.

Program Learning Outcomes

Name SOCSC - PLO 1	Outcome Use social science theories and concepts to analyze human behavior, social, or political institutions.

Name SOCSC - PLO 2	Outcome Examine historical events and movements in World, Western, non-Western or American societies and assess their subsequent significance.

Name SOCSC - PLO 3	Outcome Recognize the importance of a global perspective and culturally diverse peoples.

Name SOCSC - PLO 4	Outcome Evaluate ethical issues and situations.

SOCSCOL - Social Sciences Program, A.A. Online

General

Program Title

Social Sciences Program, A.A. Online

Program Code

SOCSCOL

Graduates of this program will be able to:

- Use social science theories and concepts to analyze human behavior, social, or political institutions
- Examine historical events and movements in World, Western, non-Western or American societies and assess their subsequent significance
- Recognize the importance of a global perspective and culturally diverse peoples
- Evaluate ethical issues and situations

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and identified below:

- Communications Credits: 9
 - ENGL121 - English Composition: The Writing Process Credits: 3
 - ENGL122 - English Composition: Writing and Research Credits: 3
 - SPCH115 - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technology](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits From Among the Social Sciences

With at least 6 credits in one of the following concentrations:

- Anthropology
- Economics
- Geography
- History
- Interdisciplinary Studies
- Philosophy
- Political Science
- Psychology
- Sociology

Remaining 6 credits may be completed by taking courses from the concentrations listed above as well as Human Geography.

Elective: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [Mathematics/Science/Technology](#) Credits: 3-4 (1)
- ENGL121 - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)
- Career Studies Credits: 3

Total Credits: 15-17

Semester 2: Spring Term

- ENGL122 - English Composition: Writing and Research Credits: 3
- [Mathematics](#) or [Science](#) Credits: 3-4 (1)
- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3
- Career Studies: 3

Total Credits 15-16

Semester 3: Fall Term

- Career Studies: 3
- [Communications](#) Credits: 3
- [Humanities](#) Credits: 3
- [History](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)

Total Credits: 16

Semester 4: Spring Term

- Career Studies: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technology](#) knowledge areas.

SSANT - Social Sciences Program, Anthropology Option, A.A.

General

Program Title

Social Sciences Program, Anthropology Option, A.A.

Program Code

SSANT

Program Description

This option prepares students for a Bachelor's degree in Anthropology. This program provides the framework for a scientific and comprehensive study of human behavior and society and introduces students to the major subfields of anthropology and the various associated specializations. Upon completion of the program, students will be able to make informed choices regarding their careers and academic areas of specialization. Students will be able to work effectively with diverse ethnic populations in many different disciplines such as education, healthcare, human and social services, and business and community development.

Graduates of this program will be able to:

- Distinguish between career options in terms of anthropological subfields and how cultures are studied through fieldwork.
- Develop the necessary skills to critically think the important role culture has in defining the human experience and how an awareness of cultural universals can decrease cross-cultural misunderstandings.
- Recognize the role globalization and cultural diffusion have on culture change.
- Apply anthropological methods to the solving of social problems.

Requirements

Requirements

General Education: 45-47 Credits

As described in the [General Education](#) section of the catalog.

The following General Education courses are required:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12 **
 - Required: [MATH131 Statistics](#) - Statistics Credits: 4
 - [Sciences](#) (1 lab science required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

General Education Note:

**Students are required to complete a minimum of 12 credits in [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Career Studies: 3 Credits As Follows:

[ANTH105 Cultural Anthropology](#) - Cultural Anthropology Credits: 3

Career Studies: 3 Credits From Among the Following:

- [ANTH205 Culture and Personality](#) - Culture and Personality Credits: 3 **
- [ANTH216 Fieldwork in Archaeology](#) - Fieldwork in Archaeology Credits: 3

Career Studies: 6-7 Credits From Among the Following:

- [ANTH106 Cultures of the World](#) - Cultures of the World Credits: 3*
- [ANTH115 Introduction to Archaeology](#) - Introduction to Archaeology Credits: 3**
- [ANTH116 Intro to Physical Anthropology](#) - Introduction to Physical Anthropology Credits: 3 *
- [ANTH125 Introduction to Human Ecology](#) - Introduction to Human Ecology Credits: 3
- [ANTH126 Intro to Human Ecology Lab](#) - Introduction to Human Ecology Lab Credits: 1
- [ANTH295 Spec. Proj. Anthropology](#) - Special Project-Anthropology Credits: 3
- [GEOG105 Intro to Physical Geography](#) - Introduction to Physical Geography Credits: 3
- [GEOG115 Human Geography](#) - Human Geography Credits: 3

Elective: 0-3 Credits

Total Credits Required For Degree: 60

Notes

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [MATH131 Statistics](#) - Statistics Credits: 4 (1)
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Social Sciences](#) Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 4 (1)

Total Credits: 14

Semester 2: Spring Term

- [ANTH105 Cultural Anthropology](#) - Cultural Anthropology Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- Career Studies Credits: 3
- [History](#) Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 15

Semester 3: Fall Term

- Career Studies Credits: 3-4
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [History](#) Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 16-17

Semester 4: Spring Term

- [ANTH205 Culture and Personality](#) - Culture and Personality Credits: 3
- [Humanities](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- Elective Credits: 0-6

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name SSANT - PLO 1	Outcome Distinguish between career options in terms of anthropological subfields and how cultures are studied through fieldwork.
Name SSANT - PLO 2	Outcome Develop the necessary skills to critically think the important role culture has in defining the human experience and how an awareness of cultural universals can decrease cross-cultural misunderstandings.
Name SSANT - PLO 3	Outcome Recognize the role globalization and cultural diffusion have on culture change.
Name SSANT - PLO 4	Outcome Apply anthropological methods to the solving of social problems.

SSCRJ - Social Sciences Program, Criminal Justice Option, A.A.

General

Program Title

Social Sciences Program, Criminal Justice Option, A.A.

Program Code

SSCRJ

Program Description

The Social Science A.A., Criminal Justice Option is specifically designed for students seeking transfer to Rutgers School of Arts and Sciences in New Brunswick, NJ, for a B.A. in Criminal Justice. The study of criminal justice provides an opportunity to learn about issues and problems in society's response to crime. Coursework provides students the opportunity to not only understand the field of criminal justice but have a well-rounded background in general education courses. Career opportunities will be explored in areas such as law enforcement, court administration, corrections, and security. Students who wish to transfer to other colleges or universities should select the Criminal Justice A.S. program.

Graduates of this program will be able to:

- Analyze the constitutional rights and court decisions most important to the criminal justice system
- Analyze the structure of the New Jersey and the United States court systems
- Critique the important decision points in the criminal justice process
- Construct their own personal views on controversial issues raised about the American justice system
- Examine the issues of professional responsibility and ethical standards in the criminal justice system
- Identify occupational opportunities in the three sub-systems of the criminal justice system

Requirements

Requirements

General Education: 45-58 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

General Education Note:

3 credits from the [Cultural and Global Awareness](#) (CG) knowledge area are required. Students may not use the CG course to fulfill requirements for another General Education category.

Career Studies: 12 Credits as Follows:

- Career Studies: 6 credits required
 - [CRJU101 Intro to Criminal Justice](#) - Introduction to Criminal Justice System Credits: 3
 - [CRJU125 Police Role in Community](#) - Police Role in Community Credits: 3
- Career Studies: 6 credits from among the following:
 - [CRJU127 Intro to Corrections](#) - Introduction to Corrections Credits: 3
 - [CRJU151 Intro to Criminology](#) - Introduction to Criminology Credits: 3
 - [CRJU229 Criminal Due Process](#) - Criminal Due Process Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [CRJU101 Intro to Criminal Justice](#) - Introduction to Criminal Justice System Credits: 3
- [Humanities](#) Credits: 2
- [Mathematics](#) Credits: 3-4 (1)
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [CRJU125 Police Role in Community](#) - Police Role in Community Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)
- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 3-4
- [History](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)

Total Credits: 16-17

Semester 4: Spring Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3-4
- [Social Sciences](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-16

Sequence Note:

(1) A minimum of 12 credits are required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name SSCRJ - PLO 1	Outcome Analyze the constitutional rights and court decisions most important to the criminal justice system.
Name SSCRJ - PLO 2	Outcome Analyze the structure of the New Jersey and the United States court systems.
Name SSCRJ - PLO 3	Outcome Critique the important decision points in the criminal justice process.
Name SSCRJ - PLO 4	Outcome Construct their own personal views on controversial issues raised about the American justice system.
Name SSCRJ - PLO 5	Outcome Examine the issues of professional responsibility and ethical standards in the criminal justice system.
Name SSCRJ - PLO 6	Outcome Identify occupational opportunities in the three sub-systems of the criminal justice system.

SSHIS - Social Sciences Program, History Option, A.A.

General

Program Title

Social Sciences Program, History Option, A.A.

Program Code

SSHIS

Program Description

This option prepares students for transfer to a four-year college history program while it expands awareness of other cultures, helps connect the past to contemporary concerns, and encourages intellectual curiosity. Careers typically pursued by history majors includes business, law, government service, diplomacy, publishing, journalism, social work, library and museum work, as well as teaching.

Graduates of this program will be able to:

- Demonstrate and summarize knowledge of historical content
- Communicate historical content effectively in written and verbal forms
- Explain the impact of historical developments on their lives and the diverse world around them

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [Cultural and Global Awareness](#) Credits: 3
- History Credits: 6
 - One of the following sequences is required:
 - [HIST105 World Civilization I](#) - World Civilization I Credits: 3
 - [HIST106 World Civilization II](#) - World Civilization II Credits: 3
 - OR
 - [HIST135 American Civilization I](#) - American Civilization I Credits: 3
 - [HIST136 American Civilization II](#) - American Civilization II Credits: 3

Career Studies: 12 Credits From Among the Following:

At least one course must be a 200-level course

- [HIST105 World Civilization I](#) - World Civilization I Credits: 3
- [HIST106 World Civilization II](#) - World Civilization II Credits: 3
- [HIST107 Contemporary World History](#) - Contemporary World History Credits: 3
- [HIST116 Vietnam](#) - Vietnam: Historical Perspectives Credits: 3
- [HIST125 Women's History Survey:Debates](#) - Women's History Survey: Experiences, Contributions and Debates Credits: 3
- [HIST126 Dimensions of the Holocaust](#) - Dimensions of the Holocaust Credits: 3 *
- [HIST135 American Civilization I](#) - American Civilization I Credits: 3
- [HIST136 American Civilization II](#) - American Civilization II Credits: 3
- [HIST137 Recent American History](#) - Recent American History Credits: 3
- [HIST138 The 1960'S " Pop Music "](#) - The 1960s: Pop Music and the Counterculture Credits: 3
- [HIST145 African-American History I](#) - African-American History I Credits: 3
- [HIST146 African-American History II](#) - African-American History II Credits: 3
- [HIST155 Native American Studies](#) - Native American Studies Credits: 3
- [HIST202 History of New Jersey](#) - History of New Jersey Credits: 3
- [HIST205 History of World War II](#) - History of World War II Credits: 3
- [HIST215 African Civilization](#) - African Civilization Credits: 3
- [HIST217 Modern Latin American History](#) - Modern Latin American History Credits: 3 **
- [HIST225 History of Modern Asia](#) - History of Modern Asia Credits: 3 *
- [HIST226 History of Modern Russia](#) - History of Modern Russia Credits: 3
- [HIST227 Middle Eastern History](#) - Middle Eastern History Credits: 3 **
- [HIST235 Immigration & Ethnicity Hist](#) - Immigration & Ethnicity in American History Credits: 3
- [HIST237 American Civil War](#) - American Civil War Credits: 3 *
- [HIST245 Topics in History](#) - Topics in History Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Notes:

Note: History courses used to satisfy the History of Humanities General Education requirements will not satisfy career studies.

*Offered Fall Term only

**Offered Spring Term only

Students planning to transfer should see their counselor regarding transfer institution history requirements.

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An

individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- HIST105 World Civilization I - World Civilization I **or** HIST135 American Civilization I - American Civilization I Credits: 3
- ENGL121 English Comp: Writing Process - English Composition: The Writing Process Credits: 3
- Career Studies Credits: 3
- Mathematics Credits: 3-4 (1)
- Mathematics/Science/Technological Competency Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- HIST106 World Civilization II - World Civilization II **or** HIST136 American Civilization II - American Civilization II Credits: 3
- ENGL122 Engl Comp: Writing & Research - English Composition: Writing and Research Credits: 3
- Career Studies Credits: 3
- Humanities Credits: 3
- Mathematics or Science Credits: 3-4 (1)

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- Communications Credits: 3
- Science (with lab) Credits: 4 (1)
- Humanities Credits: 3
- Social Sciences Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- Humanities Credits: 3
- Cultural and Global Awareness Credits: 3
- Social Sciences Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits are required from Mathematics/Science/Technological Competency knowledge areas.

Program Learning Outcomes

Name	Outcome
SSHIS - PLO 1	Demonstrate and summarize knowledge of historical content.

Name	Outcome
SSHIS - PLO 2	Communicate historical content effectively in written and verbal forms.

Name	Outcome
SSHIS - PLO 3	Explain the impact of historical developments on their lives and the diverse world around them.

SSHISOL - Social Sciences Program, History Option, A.A. Online

General

Program Title

Social Sciences Program, History Option, A.A. Online

Program Code

SSHISOL

Graduates of this program will be able to:

- Demonstrate and summarize knowledge of historical content
- Communicate historical content effectively in written and verbal forms
- Explain the impact of historical developments on their lives and the diverse world around them

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) Credits: 3
 - [SPCH115 Public Speaking](#) Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [Cultural and Global Awareness](#) Credits: 3
- History Credits: 6
 - One of the following sequences is required:
 - HIST105 - World Civilization I Credits: 3
 - [HIST106 World Civilization II](#) Credits: 3
 - OR**
 - HIST135 - American Civilization I Credits: 3
 - HIST136 - American Civilization II Credits: 3

Career Studies: 12 Credits From Among the Following:

At least one course must be a 200-level course

- HIST105 - World Civilization I Credits: 3
- [HIST106 World Civilization II](#) Credits: 3
- HIST107 - Contemporary World History Credits: 3
- [HIST116 Vietnam](#) Credits: 3
- [HIST125 Women's History Survey:Debates](#) Credits: 3
- HIST126 - Dimensions of the Holocaust Credits: 3 *
- HIST135 - American Civilization I Credits: 3

- HIST136 - American Civilization II Credits: 3
- HIST137 - Recent American History Credits: 3
- [HIST138 The 1960'S " Pop Music "](#) Credits: 3
- [HIST145 African-American History I](#) Credits: 3
- [HIST146 African-American History II](#) Credits: 3
- [HIST155 Native American Studies](#) Credits: 3
- [HIST202 History of New Jersey](#) Credits: 3
- [HIST205 History of World War II](#) Credits: 3
- [HIST215 African Civilization](#) Credits: 3
- [HIST217 Modern Latin American History](#) Credits: 3 **
- [HIST225 History of Modern Asia](#) Credits: 3 *
- [HIST226 History of Modern Russia](#) Credits: 3
- [HIST227 Middle Eastern History](#) Credits: 3 **
- [HIST235 Immigration & Ethnicity Hist](#) Credits: 3
- [HIST237 American Civil War](#) Credits: 3 *
- HIST245 - Topics in History Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Notes:

Note: History courses used to satisfy the History of Humanities General Education requirements will not satisfy career studies.

*Offered Fall Term only

**Offered Spring Term only

Students planning to transfer should see their counselor regarding transfer institution history requirements.

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [HIST105 World Civilization I](#) or [HIST135 American Civilization I](#) Credits: 3
- [ENGL121 English Comp: Writing Process](#) Credits: 3
- Career Studies Credits: 3
- [Mathematics](#) Credits: 3-4 (1)
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- [HIST106 World Civilization II](#) or [HIST136 American Civilization II](#) Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) Credits: 3
- Career Studies Credits: 3
- [Humanities](#) Credits: 3

- [Mathematics or Science](#) Credits: 3-4 (1)

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [Communications](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- [Social Sciences](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits are required from [Mathematics/Science/Technological Competency](#) knowledge areas.

SSPHI - Social Sciences Program, Philosophy Option, A.A.

General

Program Title

Social Sciences Program, Philosophy Option, A.A.

Program Code

SSPHI

Program Description

This option prepares students for transfer to a four-year college Philosophy Program in preparation for academic professions such as teaching or scholarly research/writing. Skills developed in this program are highly valued in many types of employment such as Law, Business, Bioethics, Nursing, Education, Religious Ministry, Employee Relations, Government, Technical Writing and Publishing.

Graduates of this program will be able to:

- Assess critically arguments found in public discourse, using deductive and inductive logic and other critical thinking techniques
- Develop a metaphysical, epistemological, ethical, and/or religious synthesis in the formulation of their own opinions
- Present ideas clearly in written form about difficult issues, such as life and death, truth and reality

Requirements

Requirements

General Education: 45- 48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3
- Highly Recommended:
 - [PHIL105 Critical Thinking](#) - Critical Thinking Credits: 3

Career Studies: 9 Credits as Follows:

- [PHIL115 Introduction to Philosophy](#) - Introduction to Philosophy Credits: 3
- [PHIL225 Comparative Religion](#) - Comparative Religion Credits: 3
- [PHIL226 Logic](#) - Logic Credits: 3

Career Studies: 3 Credits From Among the Following:

- [PHIL227 Introduction to Ethics](#) - Introduction to Ethics Credits: 3
- [PHIL228 Social & Political Philosophy](#) - Social and Political Philosophy Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [PHIL105 Critical Thinking](#) - Critical Thinking Credits: 3
- [PHIL115 Introduction to Philosophy](#) - Introduction to Philosophy Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Mathematics](#) Credits: 3-4 (1)
- Elective Credits: 0-3

Total Credits: 12-16

Semester 2: Spring Term

- [PHIL225 Comparative Religion](#) - Comparative Religion Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)

Total Credits: 15-16

Semester 3: Fall Term

- [PHIL226 Logic](#) - Logic Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Social Sciences](#) Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- [PHIL227 Introduction to Ethics](#) - Introduction to Ethics Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- [History](#) Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)

Total Credits: 15-16

Sequence Note:

(1) A minimum of 12 credits are required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name SSPHI - PLO 1	Outcome Assess critically arguments found in public discourse, using deductive and inductive logic and other critical thinking techniques.
Name SSPHI - PLO 2	Outcome Develop a metaphysical, epistemological, ethical, and/or religious synthesis in the formulation of their own opinions.
Name SSPHI - PLO 3	Outcome Present ideas clearly in written form about difficult issues, such as life and death, truth and reality.

SSPOL - Social Sciences Program, Political Science Option, A.A.

General

Program Title

Social Sciences Program, Political Science Option, A.A.

Program Code

SSPOL

Program Description

This option combines political science and other liberal arts courses required for transfer to a four-year college political science program. Upon the receipt of either an Associate's or Bachelor's degree, a student may enter such occupations as Federal, State, county or local government service, political consulting, interest group staffs, political parties, international business or government service; the teaching of civics and history courses, journalism, law enforcement or law.

Graduates of this program will be able to:

- Communicate skills and content effectively in written and verbal forms
- Complete written assignments demonstrating skills of political analysis
- Explain political science methodology
- Compare and contrast political ideologies and theories of governance
- Describe the workings of a democratic civil society
- Summarize the content of important political documents such as the Declaration of Independence, the US Constitution, the Bill of Rights, and the UN Charter on Human Rights
- Illustrate in written and oral form the diversity of global political life and the impact of such diversity on their personal lives

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#) Credits: 12
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3

Career Studies: 12 Credits From Among the Following:

- [POLI101 Intro to Political Science](#) - Introduction to Political Science Credits: 3
- [POLI105 American National Government](#) - American National Government Credits: 3

- [POLI115 State, County, & Local Govt](#) - State, Country, & Local Government Credits: 3
- [POLI225 International Relations](#) - International Relations Credits: 3
- [POLI227 Comparative Politics](#) - Comparative Politics Credits: 3 *
- [POLI228 Environmental Politics](#) - Environmental Politics and Policy Credits: 3 **
- [POLI299 Political Science Internship](#) - Political Science Internship Credits: 3

Elective: 0-3 Credits

Total Credits Required for Degree: 60

Notes:

*Offered Fall Term only

**Offered Spring Term only

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- Career Studies Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)

Total Credits: 15-17

Semester 2: Spring Term

- Career Studies Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [History](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [Humanities](#) Credits: 3
- [History](#) Credits: 3

Total Credits: 16

Semester 4: Spring Term

- Career Studies Credits: 3
- [Social Sciences](#) Credits: 3

- [Cultural and Global Awareness](#) Credits: 3
- [Humanities](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Notes:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

Program Learning Outcomes

Name SSPOL - PLO 1	Outcome Communicate skills and content effectively in written and verbal forms.
Name SSPOL - PLO 2	Outcome Complete written assignments demonstrating skills of political analysis.
Name SSPOL - PLO 3	Outcome Explain political science methodology.
Name SSPOL - PLO 4	Outcome Compare and contrast political ideologies and theories of governance.
Name SSPOL - PLO 5	Outcome Describe the workings of a democratic civil society.
Name SSPOL - PLO 6	Outcome Summarize the content of important political documents such as the Declaration of Independence, the US Constitution, the Bill of Rights, and the UN Charter on Human Rights
Name SSPOL - PLO 7	Outcome Illustrate in written and oral form the diversity of global political life and the impact of such diversity on their personal lives.

SSPSY - Social Sciences Program, Psychology Option, A.A.

General

Program Title

Social Sciences Program, Psychology Option, A.A.

Program Code

SSPSY

Program Description

This option prepares students to transfer to a baccalaureate psychology program. The coursework is designed to foster an appreciation and understanding of (1) the scientific study, (2) measurement, and (3) perspectives and concepts (both historical and contemporary) of behaviors and mental processes fundamental to psychology. Program graduates will learn fundamental knowledge concerning psychological processes and research methods for investigating basic and applied problems in psychology. Students will apply relevant research to analyze and evaluate psychological perspectives and concepts.

Graduates of this program will be able to:

- Understand the historical antecedents, essential elements, milestone, and perspectives of Psychology as a scientific discipline,
- Understand the basic structure and physiology of the nervous and endocrine systems in application to psychological concepts.
- Analyze the basic physical, cognitive, social, and emotional aspects of human development.
- Apply the scientific study and measurement of psychology and its concepts using statistical analyses.
- Apply contemporary psychological perspectives and current research in the analysis of emerging and controversial topics in psychology.

Mission statement:

Prepare students for transfer to a baccalaureate degree in psychology and or a closely related discipline by providing a foundation in scientific literacy/reasoning skills needed to understand and examine fundamental concepts and perspectives in psychology.

Requirements

Requirements

General Education: 47 Credits

As described in the [General Education](#) section of the catalog. The following General Education courses are required for this program:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Science](#) with Lab Credits: 4
- [Mathematics](#) Credits: 4
- [Mathematics or Science](#) Credits: 3
- [Mathematics or Science or Technological Competency](#) (1) Credits: 3
- [Humanities](#) Credits: 9
- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [Social Sciences](#) Credits: 3
- [History](#) Credits: 6

- Cultural and Global Awareness Credits: 3

- Select one of the following courses:

- [PSYC217 Social Psychology](#) - Social Psychology
- [PSYC225 Human Sexuality](#) - Human Sexuality
- [PSYC228 Cross-Cultural Psychology](#) - Cross-Cultural Psychology

Career Studies: 10 Credits as Follows:

- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3
- [PSYC247 Quantitative Methods in Psych](#) - Quantitative Methods in Psychology Credits: 4
- [PSYC206 Human Growth and Development I](#) or [PSYC207 Human Growth and Development II](#) or [PSYC226 Adolescent Psychology](#) - Adolescent Psychology or [PSYC208 Life Span Development](#) - Life Span Development Credits: 3

Career Studies: 3 Credits From the Following

- [PSYC205 Industrial/Organizational Psychology](#) - Industrial/Organizational Psychology Credits: 3
- [PSYC209 Theories of Personality](#) - Theories of Personality Credits: 3
- [PSYC216 Intro to Psychopathology](#) - Abnormal Psychology Credits: 3
- [PSYC218 Educational Psychology](#) - Educational Psychology Credits: 3
- [PSYC219 Positive Psychology](#) - Positive Psychology Credits: 3 *

Total Credits Required for Degree: 60

Notes:

(1) Students are required to complete 0-4 credits in Technological Competency. A student may be waived from the Technological Competency requirements by passing a proficiency exam or by taking comparable coursework within other portions of his or her studies. Such courses will be designated in the catalog by a (t).

*Offered Spring Term only

The following General Education courses are recommended based on their applicability to the major and transferability.

- Science with Lab Credits: 4
 - Recommended - Student choose one from the following:
 - [BIOL108 Human Biology](#) - Human Biology Credits: 4
 - [ENVR107 Environmental Science](#) - Environmental Science Credits: 4
 - [CHEM116 Chemistry in Life](#) - Chemistry in Life Credits: 4
 - [PHYS111 General Physics I Non-Calculus](#) - General Physics I (Non-Calculus) Credits: 4
- Mathematics Credits: 4
 - Recommended - Students choose one from the following:
 - [MATH131 Statistics](#) - Statistics Credits: 4
 - [MATH151 Intermediate Algebra](#) - Intermediate Algebra Credits: 4

- [MATH145 Algebraic Modeling](#) - Algebraic Modeling Credits: 4

- Mathematics **or** Science Credits: 3

- Recommended - Students choose one from the following:

- [MATH136 Math for the Liberal Arts](#) - Mathematics for the Liberal Arts Credits: 3
- [ENVR108 Principles of Sustainability](#) - Principles of Sustainability Credits: 3

- Mathematics **or** Science **or** Technology Credits: 3

- Recommended - Students choose one from the following:

- [COMP129 Information Technology](#) - Information Technology Credits: 3
- [COMP126 Computer Logic and Design](#) - Computer Logic and Design Credits: 3

- Humanities Credits: 9

- Recommended - Students choose one from the following:

- [PHIL105 Critical Thinking](#) - Critical Thinking Credits: 3
- [PHIL115 Introduction to Philosophy](#) - Introduction to Philosophy Credits: 3
- [PHIL227 Introduction to Ethics](#) - Introduction to Ethics Credits: 3

- Recommended - Student choose one from the following:

- [ENGL155 The Short Story](#) - The Short Story Credits: 3
- [ENGL235 World Literature I](#) - World Literature I Credits: 3
- [ENGL236 World Literature II](#) - World Literature II Credits: 3
- [ENGL245 American Literature I](#) - American Literature I Credits: 3

- Recommended - Students choose one from the following:

- [ARTH105 Art Appreciation](#) - Art Appreciation Credits: 3
- [CINE105 Film Appreciation](#) - Film Appreciation: Motion Picture/Art Credits: 3
- [MUSI115 History of Classical Music](#) - History of Classical Music Credits: 3

- Social Sciences Credits: 3

- Recommended - Students choose one from the following:

- [ECON105 Macro Economics](#) - Macro Economics Credits: 3
- [ANTH105 Cultural Anthropology](#) - Cultural Anthropology Credits: 3
- [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- [SOCI215 Marriage and the Family](#) - Marriage and the Family Credits: 3
- [POLI105 American National Government](#) - American National Government Credits: 3

- History Credits: 6
 - Recommended - Students choose one from the following:
 - [GEOG115 Human Geography](#) - Human Geography Credits: 3
 - [HIST105 World Civilization I](#) - World Civilization I Credits: 3
 - [HIST106 World Civilization II](#) - World Civilization II Credits: 3
 - [HIST135 American Civilization I](#) - American Civilization I Credits: 3
 - [HIST136 American Civilization II](#) - American Civilization II Credits: 3
 - [HIST137 Recent American History](#) - Recent American History Credits: 3

Semester 4: Spring Term

- Career Studies Credits: 3
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [History](#) Credits: 3
- [PSYC217 Social Psychology](#) - Social Psychology **or** [PSYC225 Human Sexuality](#) - Human Sexuality **or** [PSYC228 Cross-Cultural Psychology](#) - Cross-Cultural Psychology

Total Credits: 15

Bachelor's Degree Through Brookdale

This is a preferred Associate degree for students planning to pursue a Bachelor's degree in Psychology. For information see [University Partnerships](#).

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [PSYC105 Intro to Psychology I](#) - Introduction to Psychology I: Physical & Sensory Aspects Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [Mathematics](#) Credits: 4

Total Credits: 13

Semester 2: Spring Term

- [PSYC106 Intro to Psych II](#) - Introduction to Psychology II: Personality & Social Aspects Credits: 3
- [Mathematics](#) **or** [Science](#) **or** [Technological Competency](#) Credits: 3
- [PSYC206 Human Growth and Development I](#) - Human Growth Development I **or** [PSYC207 Human Growth and Develp II](#) - Human Growth and Development II **or** [PSYC226 Adolescent Psychology](#) - Adolescent Psychology **or** [PSYC208 Life Span Development](#) - Life Span Development Credits: 3
- [ENGL122 EngI Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Science with Lab](#) Credits: 4

Total Credits: 16

Semester 3: Fall Term

- [PSYC247 Quantitative Methods in Psych](#) - Quantitative Methods in Psychology Credits: 4
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Mathematics](#) **or** [Science](#) Credits: 3
- [History](#) Credits: 3
- [Humanities](#) Credits: 3

Total Credits: 16

SSSOC - Social Sciences Program, Sociology Option, A.A.

General

Program Title

Social Sciences Program, Sociology Option, A.A.

Program Code

SSSOC

Program Description

This option prepares students for transfer in order to complete a Bachelor's degree in sociology. This program provides a framework for the scientific study of individual social interaction, social inequality, and major social institutions. The curriculum will introduce students to the various subdisciplines in sociology and related fields. Upon completion of the sociology option, students will be able to identify a potential career path and/or specialization within the field of social science. Finally, students who complete the program will be introduced to the study of social inequality, social structures, and social problems. This will provide students with opportunities in areas that include but are not limited to social and human services, government offices, community and non-profit organizations, business, and education.

Graduates of this program will be able to:

- Communicate major sociological concepts verbally and in writing
- Identify and define the social features of human beings and the ways in which they interact and change
- Demonstrate and summarize knowledge regarding the components of social structure as well as the major agents of socialization
- Compare and contrast the different subdisciplines and theoretical perspectives in the study of sociology and social inequality

Requirements

Requirements

General Education: 45-48 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- Communications Credits: 9
 - [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
 - [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
 - [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) Credits: 9
- [Social Sciences](#) Credits: 6
- [Mathematics/Science/Technological Competency](#)
 - [Mathematics](#) Credits: 3-8
 - [Science](#) (1 lab science course required) Credits: 4-8
 - [Technological Competency](#) Credits: 0-4
- [History](#) Credits: 6
- [Cultural and Global Awareness](#) Credits: 3
- The following General Education Mathematics course is required:
 - [MATH131 Statistics](#) - Statistics Credits: 3

Career Studies: 3 Credits as Follows:

- [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3

Career Studies: 9 Credits From Among the Following:

- [SOCI202 Analysis of Social Problems](#) - Analysis of Social Problems Credits: 3
- [SOCI215 Marriage and the Family](#) - Marriage and the Family Credits: 3
- [SOCI216 Majority & Minority Relations](#) - Majority and Minority Relations in America Credits: 3
- [SOCI225 Sociology of Gender](#) - Sociology of Gender Credits: 3
- [SOCI235 Sociology of Sport](#) - Sociology of Sport Credits: 3
- [CRJU151 Intro to Criminology](#) - Introduction to Criminology Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [SOCI101 Principles of Sociology](#) - Principles of Sociology Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Humanities](#) Credits: 3
- [History](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)

Total Credits: 15-16

Semester 2: Spring Term

- [SOCI202 Analysis of Social Problems](#) - Analysis of Social Problems Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research Credits: 3
- [Humanities](#) Credits: 3
- [History](#) Credits: 3
- [Mathematics or Science](#) Credits: 3-4 (1)

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [SOCI215 Marriage and the Family](#) - Marriage and the Family Credits: 3

Total Credits: 16-17

Semester 4: Spring Term

- Career Studies: 3 Credits
- Humanities Credits: 3
- Social Sciences Credits: 3
- Cultural and Global Awareness Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the Mathematics, Science or Technological Competency knowledge areas.

Program Learning Outcomes

Name SSSOC - PLO 1	Outcome Communicate major sociological concepts verbally and in writing.
Name SSSOC - PLO 2	Outcome Identify and define the social features of human beings and the ways in which they interact and change.
Name SSSOC - PLO 3	Outcome Demonstrate and summarize knowledge regarding the components of social structure as well as the major agents of socialization.
Name SSSOC - PLO 4	Outcome Compare and contrast the different subdisciplines and theoretical perspectives in the study of sociology and social inequality.

SSSOCOL - Social Sciences Program, Sociology Option, A.A. Online

General

Program Title

Social Sciences Program, Sociology Option, A.A. Online

Program Code

SSSOCOL

Graduates of this program will be able to:

- Communicate major sociological concepts verbally and in writing
- Identify and define the social features of human beings and the ways in which they interact and change
- Demonstrate and summarize knowledge regarding the components of social structure as well as the major agents of socialization
- Compare and contrast the different subdisciplines and theoretical perspectives in the study of sociology and social inequality

Requirements

Requirements

General Education: 45-48 Credits

As described in the General Education section of the catalog and as identified below:

- Communications Credits: 9
 - ENGL121 English Comp: Writing Process Credits: 3
 - ENGL122 Engl Comp: Writing & Research Credits: 3
 - SPCH115 Public Speaking Credits: 3
- Humanities Credits: 9
- Social Sciences Credits: 6
- Mathematics/Science/Technological Competency
 - Mathematics Credits: 3-8
 - Science (1 lab science course required) Credits: 4-8
 - Technological Competency Credits: 0-4
- History Credits: 6
- Cultural and Global Awareness Credits: 3
- The following General Education Mathematics course is required:
 - MATH131 Statistics Credits: 3

Career Studies: 3 Credits as Follows:

- SOCI101 Principles of Sociology Credits: 3

Career Studies: 9 Credits From Among the Following:

- SOCI202 Analysis of Social Problems Credits: 3
- SOCI215 - Marriage and the Family Credits: 3
- SOCI216 - Majority and Minority Relations in America Credits: 3
- SOCI225 - Sociology of Gender Credits: 3
- SOCI235 Sociology of Sport Credits: 3
- CRJU151 Intro to Criminology Credits: 3

Electives: 0-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

The following sequence is an example of how this degree can be completed in two years. This sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Semester 1: Fall Term

- [SOCI101 Principles of Sociology](#) Credits: 3
- [ENGL121 English Comp: Writing Process](#) Credits: 3
- [Humanities](#) Credits: 3
- [History](#) Credits: 3
- [Mathematics](#) Credits: 3-4 (1)

Total Credits: 15-16

Semester 2: Spring Term

- [SOCI202 Analysis of Social Problems](#) Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) Credits: 3
- [Humanities](#) Credits: 3
- [History](#) Credits: 3
- [Mathematics](#) or [Science](#) Credits: 3-4 (1)

Total Credits: 15-16

Semester 3: Fall Term

- Career Studies Credits: 3
- [Science](#) (with lab) Credits: 4 (1)
- [Mathematics/Science/Technological Competency](#) Credits: 3-4 (1)
- [SPCH115 Public Speaking](#) Credits: 3
- [SOCI215 - Marriage and the Family](#) Credits: 3

Total Credits: 16-17

Semester 4: Spring Term

- Career Studies: 3 Credits
- [Humanities](#) Credits: 3
- [Social Sciences](#) Credits: 3
- [Cultural and Global Awareness](#) Credits: 3
- Elective Credits: 0-3

Total Credits: 12-15

Sequence Note:

(1) A minimum of 12 credits is required from the [Mathematics](#), [Science](#) or [Technological Competency](#) knowledge areas.

TCEDU - Technical Education

General

Program Title

Technical Education

Program Code

TCEDU

Program Description

Career and Technical Education credit cohort. This program is designed for career and technical education alternate route teachers in the Career and Technical Education Teacher Preparation Program (CTETPP) seeking to earn college credit for the CTETPP curriculum and apply the credit toward completion of an Associate's degree. CTETPP curriculum prepares individuals for continuous employment as teachers in New Jersey's career and technical education programs. CTETPP students with prior technical work experience and apprenticeship may be granted up to 13 college credits from training programs approved by the American Council on Education, or other agencies that convert training to college credit and apply those credits toward this degree.

Graduates of this program will be able to:

- Develop and present effective lesson plans for achievement of specific, measurable outcomes
- Develop necessary skills to assess student learning
- Organize and manage a culture for learning in a classroom environment which focuses on classroom procedures and student behavior
- Develop and utilize instructional and learning strategies that meet the needs of diversified learners with focus on cultural, learning and ability differences
- Communicate an understanding of professional responsibilities
- Make decisions on integration of the literacy skills as part of the curriculum and its importance in successful transition to career success
- Demonstrate effective team/interpersonal skills

Requirements

Requirements

General Education: 20-22 Credits

As described in the [General Education](#) section of the catalog and as identified below:

- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [Humanities](#) **or** [Social Sciences](#) Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4
- Any [General Education](#) Credits: 7-9

Technical Core: A Maximum of 13 Credits From the Following:

- Apprenticeship training
- Military training
- Trade/Proprietary education

If the student does not have 13 technical credits, the remaining credits can be elective credits approved by the assigned counselor or can be completed through three additional credits in the internship program.

Career Studies: 15 Credits as Follows:

- [EDUC105 Introduction to Education](#) - Introduction to Education Credits: 3 *

- [EDUC199 Education Field Experience](#) - Education Field Experience Credits: 0 *
- [EDUC216 Classroom Techniques](#) - Classroom Techniques Credits: 3 *
- [EDUC217 Inclusive & Special Education](#) - Introduction to the Exceptional Student Credits: 3 *
- [EDUC295 Special Project - Education](#) - Special Project - Education Credits: 3 *
- [EDUC299 Education Internship](#) - Education Internship Credits: 3 *

*12 course credits can be earned through completion of the CTETPP curriculum components. Courses are completed as hybrid courses combining face-to-face and online components. Students are required to complete 45 hours in stage I, 140 hours in stage II, and 15 hours in a capstone course for a total of 200 hours in stage I and II. Students must complete stage I and II with a grade of 2.75 or higher.

Career Studies: 9 Credits From Among the Following:

- [EDUC225 Literacy Develop/Instruct](#) - Literacy Development and Instruction Credits: 3
- [GEOG115 Human Geography](#) - Human Geography Credits: 3
- [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process Credits: 3

Electives: 1-3 Credits

Total Credits Required for Degree: 60

Suggested Sequence

Students must complete the 12 credit stage I and II curriculum components and EDUC 299 during the first year. Additional career studies and General Education courses may be taken during the first year or in subsequent semesters. The following sequence is an example of how this degree can be completed in two years. The sequence is based on satisfaction of all Foundational Studies requirements and prerequisites and presumes a Fall Term start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See a counselor for other options and to monitor your progress.

Technical Credits: 13 Credits

Semester 1: Fall Term

- [EDUC105 Introduction to Education](#) - Introduction to Education Credits: 3
- [EDUC216 Classroom Techniques](#) - Classroom Technique Credits: 3
- [EDUC217 Inclusive & Special Education](#) - Introduction to the Exceptional Child Credits: 3
- [ENGL121 English Comp: Writing Process](#) - English Composition: The Writing Process Credits: 3
- [Mathematics/Science/Technological Competency](#) Credits: 3-4

Total Credits: 15-16

Semester 2: Spring Term

- [EDUC199 Education Field Experience](#) - Education Field Experience Credits: 0
- [EDUC225 Literacy Develop/Instruct](#) - Literacy Development and Instruction Credits: 3
- [EDUC295 Special Project - Education](#) - Special Project - Education Credits: 3
- [EDUC299 Education Internship](#) - Education Internship Credits: 3

- [ENGL122 Engl Comp: Writing & Research](#) - English Composition: Writing and Research **or** [SPCH115 Public Speaking](#) - Public Speaking Credits: 3
- [SOCI105 Intercultural Communication](#) - Intercultural Communication: The Person and The Process Credits: 3

Total Credits: 15

Semester 3: Fall Term

- [GEOG115 Human Geography](#) - Human Geography Credits: 3
- [General Education](#) Credits: 3
- [Humanities or Social Sciences](#) Credits: 3
- Elective Credits: 1-3

Total Credits: 10-12

Semester 4: Spring Term

- [General Education](#) Credits: 5

Program Learning Outcomes

Name TCEDU - PLO 1	Outcome Develop and present effective lesson plans for achievement of specific, measurable outcomes.
Name TCEDU - PLO 2	Outcome Develop necessary skills to assess student learning.
Name TCEDU - PLO 3	Outcome Organize and manage a culture for learning in a classroom environment which focuses on classroom procedures and student behavior.
Name TCEDU - PLO 4	Outcome Develop and utilize instructional and learning strategies that meet the needs of diversified learners with focus on cultural, learning and ability differences.
Name TCEDU - PLO 5	Outcome Communicate an understanding of professional responsibilities.
Name TCEDU - PLO 6	Outcome Make decisions on integration of the literacy skills as part of the curriculum and its importance in successful transition to career success.

Name TCEDU - PLO 7	Outcome Demonstrate effective team/ interpersonal skills.

WMGSA - Women's & Gender Studies Acad Cred Cert Achiev

General

Program Title

Women's & Gender Studies Acad Cred Cert Achiev

Program Code

WMGSA

Program Description

The Women's & Gender Studies Academic Credit Certificate of Achievement is designed for students and/or professionals interested in civic engagement, social justice, and advocacy scholarship that centers gender, sexuality, and women's issues, concerns, and experiences across a variety of disciplines and fields. Women's & Gender studies courses consider how ideas, practices, and legislation regarding gender and sexuality inform and shape both identities and institutions, impact social policy and the lived experience of individuals across cultures and in a global context. Students choosing this Academic Credit Certificate of Achievement may transfer to a four-year college where Women's & Gender Studies and related fields are offered as a major or minor. Knowledge of Women's & Gender Studies is an asset for working professionals in, or current A.A./A.S. students choosing, careers that include the non-profit sector, teaching, research, law, counseling, social work, human services among other fields. Professionals looking to enhance their knowledge, skill set, and resume, as well as students looking to supplement their course of study and selected A.A. or A.S. Option program, will benefit from this Academic Credit Certificate of Achievement. The Women & Gender Studies Academic Credit Certificate of Achievement can be completed in one to two semesters, and may be completed fully online.

Graduates of this program will be able to:

- Discuss and appreciate diverse historic, literary, cultural, and societal perspectives related to gender and human sexuality
- Examine and explicate issues, perspectives, methodologies and research in the interdisciplinary, multicultural academic field of Women's & Gender Studies
- Explain and analyze the conditions of women, girls, gender and sexual minorities across cultures through written and verbal communication in classroom and community settings
- Explicate the concept of intersectionality by considering the ways in which gender intersects with other social categories of difference such as race, ethnicity, class, sexuality, ability and age
- Develop and apply an intersectional, feminist framework for analysis across a variety of contemporary social and cultural issues, including topics concerning the workplace, family, health, gendered violence and assault, law, and media.

Requirements

Requirements

Career Studies: 6 Credits as Follows:

- [HUMN129 Issues Women's Gender Studies](#) - Issues in Women's and Gender Studies Credits: 3
- [HIST125 Women's History Survey:Debates](#) - Women's History Survey: Experiences, Contributions and Debates Credits: 3

Career Studies: 3 Credits From Among the Following:

- [PSYC225 Human Sexuality](#) - Human Sexuality Credits: 3
- [ENGL175 Women's Perspectives in Lit](#) - Women's Perspective in Literature Credits: 3

Total Credits: 9

Program Learning Outcomes

Name WMGSA - PLO 1	Outcome Discuss and appreciate diverse historic, literary, cultural, and societal perspectives related to gender and human sexuality.
Name WMGSA - PLO 2	Outcome Examine and explicate issues, perspectives, methodologies and research in the interdisciplinary, multicultural academic field of Women's & Gender Studies.
Name WMGSA - PLO 3	Outcome Explain and analyze the conditions of women, girls, gender and sexual minorities across cultures through written and verbal communication in classroom and community settings.
Name WMGSA - PLO 4	Outcome Explicate the concept of intersectionality by considering the ways in which gender intersects with other social categories of difference such as race, ethnicity, class, sexuality, ability and age.
Name WMGSA - PLO 5	Outcome Develop and apply an intersectional, feminist framework for analysis across a variety of contemporary social and cultural issues, including topics concerning the workplace, family, health, gendered violence and assault, law, and media.

All Courses

ACAD081 - Transition to College

Course Information

Course Number
081

Course Title (long)
Transition to College

Course Description
ACAD 081 is a support course for students with learning disabilities offered only in the summer which will prepare students for the transition to college. College survival skills will be introduced, e.g., communication skills, vocabulary, reading and writing, time management, setting priorities, taking responsibility for academic tasks and active studying. Students will be introduced to college support systems and be assisted in their program planning. Students will be introduced to other departments on campus.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access

Syllabus (Ctrl + click)
[ACAD081](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ACAD081 - CLO 1	Outcome Recognize the need for information.
Name ACAD081 - CLO 2	Outcome Identify problems which keep college students from being successful.
Name ACAD081 - CLO 3	Outcome Identify and begin to solve problems in order to become successful college students.

ACAD084 - Academic Skills Workshop I

Course Information

Course Number
084

Course Title (long)
Academic Skills Workshop I

Course Description
ACAD 084 is the first in a series of four-credit courses for students enrolling in a Learning Disabilities course at Brookdale. This class introduces students to reading and study techniques needed for survival in college courses. In addition, students will attend a scheduled lab hour each week to review and complete reading assignments due the following class. Individual tutoring is part of the courses. Students meet with a professional tutor for a scheduled hour each week; here, strategies taught in class are applied to other college courses. Developmental courses will not be counted to meet degree requirements.

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access

Syllabus (Ctrl + click)
[ACAD084](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ACAD084 - CLO 1	Outcome Recognize the need to become more active readers by demonstrating effective reading skills.
Name ACAD084 - CLO 2	Outcome Communicate ideas clearly in class discussion and written work using organizational and study techniques taught.
Name ACAD084 - CLO 3	Outcome Identify problems and analyze them during class, lab and tutoring.

ACAD085 - Academic Skills Workshop II

Course Information

Course Number
085

Course Title (long)
Academic Skills Workshop II

Course Description
This course is for students with learning disabilities. This class focuses on language, spelling, vocabulary and thinking skills in addition to expanding communication skills. In addition to three hours of class, students will attend a scheduled lab hour each week to review and complete reading assignments due the following class. Individual tutoring is part of the course. Students meet with a trained professional tutor for a scheduled hour each week; here, strategies taught in class are applied to other college courses. Developmental courses will not be counted to meet degree requirements. (Prerequisite: ACAD-084)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access

Syllabus (Ctrl + click)
[ACAD085](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: ACAD084 - Academic Skills Workshop I

ACAD086 - Academic Skills Workshop III

Course Information

Course Number
086

Course Title (long)
Academic Skills Workshop III

Course Description
This is a course for students with learning disabilities. This class helps students develop strategies to manage content-area course work. In addition to three hours of class, students will attend a scheduled lab hour each week to review and complete reading assignments due the following class. Individual tutoring is part of the course. Students meet with a trained professional tutor for a scheduled hour each week; here, strategies taught in class are applied to other college courses. Developmental courses will not be counted to meet degree requirements. (Prerequisite: ACAD-084)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access

Syllabus (Ctrl + click)
[ACAD086](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
ACAD084 - Academic Skills Workshop I

ACAD087 - Academic Skills Workshop V: Word Processing

Course Information

Course Number
087

Course Title (long)
Academic Skills Workshop V: Word Processing

Course Description
ACAD-087 is a one-credit course for students enrolling in ACAD at Brookdale. This class introduces students to reading, study, and computer techniques needed for survival in college courses. Students meet with an instructor for a scheduled hour each week; here, strategies taught in class are applied to other college courses. Developmental courses will not be counted to meet degree requirements.

Credit Hours
Min:
1

Billing Hours
Min:
4

Department(s) ~*
Reading & Academic Access

ACAD088 - Academic Skills Workshop V: Word Processing

Course Information

Course Number
088

Course Title (long)
Academic Skills Workshop V: Word Processing

Course Description
This course introduces students to computer techniques needed for survival in college courses. In addition, students will attend a scheduled lab hour each week. Individual tutoring is part of the course. Students meet with a professional tutor for a scheduled hour each week; here, strategies taught in class are applied to other college courses. Developmental courses will not be counted to meet degree requirements. (Prerequisite: ACAD-084)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access
Syllabus (Ctrl + click) ACAD088		

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
ACAD084 - Academic Skills Workshop I

ACAD089 - Academic Skills Workshop IV: Individual Tutoring

Course Information

Course Number
089

Course Title (long)
Academic Skills Workshop IV: Individual Tutoring

Course Description
This course is designed for upper level students who need only individual tutoring and monitoring by the learning disabilities specialist. This is a college support course and will not be counted to meet the requirements for a degree. (Prerequisite: ACAD-084 or appropriate ACAD courses plus written permission from the Learning Disabilities Specialist)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access
Syllabus (Ctrl + click) ACAD089		

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Courses:
ACAD084 - Academic Skills Workshop I
OR
Criteria 2
OR:
Appropriate ACAD courses plus written permission from the Learning Disabilities Specialist.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ACAD089 - CLO 1	Outcome Identify problems and explore ways to solve them.
Name ACAD089 - CLO 2	Outcome Determine how to work steadily throughout the semester and complete work in a timely manner.
Name ACAD089 - CLO 3	Outcome Use organizational and study strategies to assist communicating ideas clearly in written assignments.
Name ACAD089 - CLO 4	Outcome Use techniques to help them monitor their own progress in courses.

ACADTUTR - Echs Acad Tutoring

Course Information

Course Number
TUTR

Course Title (long)
Echs Acad Tutoring

Course Description
This course is for Early College High School students is designed to provide academic skills and support for students in the Early College High School program. Students will work with college and high school personnel on discipline-specific academic skills necessary to support their learning.

Credit Hours

Min:
0

Department(s) ~*
Reading & Academic Access

ACCT101 - Principles of Accounting I

Course Information

Course Number
101

Course Title (long)
Principles of Accounting I

Course Description
An introduction to basic concepts and principles of recording and posting financial information, preparation of trial balance, worksheet and financial statements. Current assets and liabilities are emphasized. (Prerequisites: MATH-012, MATH-015 or satisfactory completion of the College's foundational studies requirement in computation; and READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Accounting

Syllabus (Ctrl + click)
[ACCT-101](#)

Course Requirements

Simple Requisites

Prerequisites
Type Prerequisite
Foundational Studies Requirement in Computation
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Computation
OR
Criteria 2
OR:
Or satisfactory completion of the College's foundational studies requirement in computation.
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

OR

Criteria 2

OR:

- Or satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ACCT101 - CLO 1	Outcome Analyze, measure, and communicate the business transactions of a business entity to decision makers.
Name ACCT101 - CLO 2	Outcome Prepare basic financial statements for sole proprietorships in accordance with generally accepted accounting principles.

ACCT102 - Principles of Accounting II

Course Information

Course Number
102

Course Title (long)
Principles of Accounting II

Course Description
This course is a continuation of ACCT 101. It introduces partnership and corporate accounting. Long-term assets and liabilities, cash flow and analysis of financial statements are emphasized. (Prerequisite: ACCT 101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School
School of Business,
Humanities and Social
Science

Division
Division of Business

Department(s) ~*
Accounting

Syllabus (Ctrl + click)
[ACCT-102](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- ACCT101 - Principles of Accounting I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ACCT 102 - CLO 1	Outcome Analyze, measure, and communicate the business transactions of a business entity to decision makers.
Name ACCT 102 - CLO 2	Outcome Prepare basic financial statements for corporations in accordance with generally accepted accounting principles.

ACCT105 - Introduction to QuickBooks

Course Information

Course Number
105

Course Title (long)
Introduction to QuickBooks

Course Description
This course is designed to introduce students to a widely used software program used to record, track and calculate finances that simplifies financial tasks. By using QuickBooks the students will analyze and record a business entity's transactions in a computerized environment rather than using a manual system. (Prerequisites: Computer experience desirable; ACCT 101 is recommended but not required)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Accounting

Syllabus (Ctrl + click)
[ACCT-105](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete at least 0 of the following courses:

- ACCT101 - Principles of Accounting I

This course is recommended but not required.

Additional Comments:

- Computer experience desirable

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ACCT 105 - CLO 1	Process business transactions through the "QuickBooks" software program.

Name ACCT 105 - CLO 2	Outcome Communicate the transactions which include customer and vendor activities, and payroll processing.
Name ACCT 105 - CLO 3	Outcome Export data from QuickBooks to Excel software in computer-generated financial statements.
Name ACCT 105 - CLO 4	Outcome Use QuickBooks audit trail.

ACCT112 - Managerial Accounting

Course Information

Course Number
112

Course Title (long)
Managerial Accounting

Course Description
A study of financial information as presented for internal management purposes, with a focus on cost determination, cost control, performance evaluation and techniques for analyzing information for planning and decision making. NOTE: This course is offered only in the Spring term. (Prerequisite: ACCT-101)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Accounting
Syllabus (Ctrl + click) ACCT-112		

Course Requirements

Simple Requisites

Prerequisite
Type Prerequisite
Careers Studies
Complete ALL of the following Courses:
ACCT101 - Principles of Accounting I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ACCT112 - CLO 1	Outcome Recognize which information is relevant to management decision making.
Name ACCT112 - CLO 2	Outcome Collect, analyze, and evaluate such information in the context of the decision at hand.

Name ACCT112 - CLO 3	Outcome Create reports that are clear, concise and precisely targeted using appropriate information.

ACCT115 - Federal Income Tax

Course Information

Course Number
115

Course Title (long)
Federal Income Tax

Course Description
A study of income tax laws as they apply to individuals. Emphasis is placed on tax laws as they apply to income and deductions and the ability to prepare an accurate Federal Income Tax Return. NOTE: This course is offered only in the Fall term.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Accounting
Syllabus (Ctrl + click) ACCT-115		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ACCT115 - CLO 1	Tags Critical Thinking
Outcome Prepare a Form 1040, U.S. Individual Income Tax Return, in accordance with the applicable tax laws of the Internal Revenue Code. (Critical thinking)	

- 15 credits of Accounting course work
- Instructor approval.

- ACCT101 - Principles of Accounting I
- ACCT102 - Principles of Accounting II

AMSL101 - American Sign Language I

Course Information

Course Number
101

Course Title (long)
American Sign Language I

Course Description
This course is designed to introduce students to the fundamentals of American Sign Language with particular attention to the grammar of the language and the culture of American deaf persons. This course will create a solid foundation of basic conversational skills and a command of the essentials and grammatical principles of the language. Students will participate in exercises to develop skills which are significant to this visually-based language.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[AMSL101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
AMSL101 - CLO 1	Understand American Sign Language at an elementary level.
AMSL101 - CLO 2	Interpret American English in American Sign Language at an elementary level.
AMSL101 - CLO 3	Sign using American Sign Language at an elementary level.
AMSL101 - CLO 4	Demonstrate basic knowledge of the culture of American deaf people.

AMSL102 - American Sign Language II

Course Information

Course Number
102

Course Title (long)
American Sign Language II

Course Description
Students will build upon skills acquired in the first semester course. Emphasis will be placed on vocabulary development, increased fluency in the language structure and regional and stylistic variations as well as advanced work in deaf culture, folklore and literature. (Prerequisite: A grade of "C" or higher in AMSL-101)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[AMSL102](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
AMSL101 - American Sign Language I

Course Learning Outcomes

A successful AMSL 102 student will be able to:

Name	Outcome
AMSL102 - CLO 1	Do fingerspelling in American Sign Language at the upper elementary level.
AMSL102 - CLO 2	Converse in American Sign Language at the upper elementary level.

	Outcome Demonstrate knowledge of complex elements of the culture of American deaf people.
Name AMSL102 - CLO 3	

ANTH105 - Cultural Anthropology

Course Information

Course Number
105

Course Title (long)
Cultural Anthropology

Course Description
Cultural Anthropology introduces students to the concept of culture as a way of seeing the world. This anthropological approach to understanding helps students see cultures unlike their own as less unfamiliar. Through cultural study, students will also investigate how cultures change and the role anthropological fieldwork plays in a systematic study of people and culture. (Prerequisite(s): READ-095 or satisfactory completion of College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Anthropology

Syllabus (Ctrl + click)
[ANTH-105](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

Must be READ-095

OR

Criteria 2

OR:

- Satisfactory completion of College's foundational studies requirement in reading.

Course Learning Outcomes

The student will be able to:

Name ANTH105 - CLO 1	Tags Society and Human Behavior (Social Science), Cultural and Global Awareness (CG)
Outcome Identify career options in terms of anthropological subfields and how cultures are studied through fieldwork (SS)(CG).	Justification Learning Outcomes support the following General Education Knowledge Areas: (SS) Social Sciences and (CG) Cultural and Global Awareness

Name ANTH105 - CLO 2	Tags Society and Human Behavior (Social Science), Cultural and Global Awareness (CG)
Outcome Develop the necessary skills to critically think the important role culture has in defining the human experience, and how an awareness of cultural universals can decrease cross-cultural misunderstandings (SS)(CG).	Justification Learning Outcomes support the following General Education Knowledge Areas: (SS) Social Sciences and (CG) Cultural and Global Awareness

Name ANTH105 - CLO 3	Tags Society and Human Behavior (Social Science), Cultural and Global Awareness (CG)
Outcome Recognize the role globalization and cultural diffusion have on culture change (SS) (CG).	Justification Learning Outcomes support the following General Education Knowledge Areas: (SS) Social Sciences and (CG) Cultural and Global Awareness

ANTH106 - Cultures of the World

Course Information

Course Number
106

Course Title (long)
Cultures of the World

Course Description
This course investigates the common and distinctive features of culture in each of several broad zones around the world, including native North America, native South America, northern Asia, southern Asia and sub-Saharan Africa. It provides a descriptive overview with emphasis on the variety of human experiences and achievements. The course is intended for students who are interested in the various cultures of the world; satisfies the general education, diversity and cross-cultural requirements; helps students recognize and appreciate the nature and impact of cultural diversity in their communities and work environments.
NOTE: This course is offered only in the Fall term.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Anthropology

Syllabus (Ctrl + click)
[ANTH106](#)

Course Learning Outcomes

Upon completion of the course, through oral and written discussion and examination, students will be able to:

Name ANTH106 - CLO 1	Tags Cultural and Global Awareness (CG), Society and Human Behavior (Social Science)
Outcome Critically evaluate global cultural diversity (CG) (SS).	Justification Learning Outcomes support the (SS) Social Sciences and (CG) Cultural and Awareness General Education Knowledge Area.

Name ANTH106 - CLO 2	Tags Cultural and Global Awareness (CG), Society and Human Behavior (Social Science)

Outcome Analyze the global connections between cultures (CG) (SS).	Justification Learning Outcomes support the (SS) Social Sciences and (CG) Cultural and Awareness General Education Knowledge Area.

Name ANTH106 - CLO 3	Tags Cultural and Global Awareness (CG), Society and Human Behavior (Social Science)
Outcome Examine how social structures vary cross-culturally (CG) (SS).	Justification Learning Outcomes support the (SS) Social Sciences and (CG) Cultural and Awareness General Education Knowledge Area.

Name ANTH106 - CLO 4	Tags Cultural and Global Awareness (CG), Society and Human Behavior (Social Science)
Outcome Appraise the ethnographic method in understanding cultural diversity (CG) (SS).	Justification Learning Outcomes support the (SS) Social Sciences and (CG) Cultural and Awareness General Education Knowledge Area.

Name ANTH106 - CLO 5	Tags Cultural and Global Awareness (CG), Society and Human Behavior (Social Science)
Outcome Reflect on one's own position in the world (CG) (SS).	Justification Learning Outcomes support the (SS) Social Sciences and (CG) Cultural and Awareness General Education Knowledge Area.

ANTH115 - Introduction to Archaeology

Course Information

Course Number
115

Course Title (long)
Introduction to Archaeology

Course Description
This course is designed as an Introduction to Archaeological Method and Theory. By studying archaeological excavation techniques, research design, classification and analysis of artifacts, as well as approaches toward the reconstruction of ancient cultural systems, students will develop a better understanding of human culture and behavior throughout time and place. NOTE: This course is offered only in the Spring term.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS)

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Anthropology

Syllabus (Ctrl + click)
[ANTH115](#)

Course Learning Outcomes

Upon completion of the course, through oral and written discussion and examination, the student will be able to:

Name ANTH115 - CLO 1	Outcome Recognize how archaeological field methods contribute to our knowledge of human culture throughout time and space.

Name ANTH115 - CLO 2	Outcome Explain the difference between New World and Old World civilizations.

Name ANTH115 - CLO 3	Outcome Consider and compose a research paper on an archaeological research question.

Name ANTH115 - CLO 4	Outcome Recognize the importance of Cultural Resource Management.

Name ANTH115 - CLO 5	Outcome Evaluate and appraise decisions regarding field sites and excavation methods and their impact on our understanding of human culture.

ANTH116 - Introduction to Physical Anthropology

Course Information

Course Number
116

Course Title (long)
Introduction to Physical Anthropology

Course Description
Students will develop an understanding of evolution, geological environment, and humans as primates as they study the place of humans in nature. They will consider how physical anthropology can be applied to studies of forensics and medical anthropology. NOTE: This course is offered only in the Fall term.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS)

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Anthropology

Syllabus (Ctrl + click)
[ANTH116](#)

Course Learning Outcomes

Through oral and written communication methods, the student will be able to:

Name ANTH116 - CLO 1	Outcome Explain the role of anthropology in understanding the biological perspective of humans.

Name ANTH116 - CLO 2	Outcome Investigate evolution as a scientific explanation for understanding the place of humans in nature.

Name ANTH116 - CLO 3	Outcome Analyze the origin and meaning of "race" terminology through both scientific and cultural methodology.

Name ANTH116 - CLO 4	Outcome Examine the role of physical anthropology as an applied discipline with applications in forensics and medical anthropology.

Name ANTH116 - CLO 5	Outcome Utilize technology to complete laboratory assignments and online discussions to better understand course-related concepts.

ANTH125 - Introduction to Human Ecology

Course Information

Course Number
125

Course Title (long)
Introduction to Human Ecology

Course Description
Human Ecology is the bridge between the social and the natural sciences. In human ecology the environment is perceived as an ecosystem that recognizes biological, social, and economic constraints. The course will encourage students to think of the natural world through a social lens, to understand the role humans play in using the natural world and living within it. Through instruction and some possible applied experiences, like field trips and other field activities, students will learn how to better understand our role in the natural world.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Anthropology

Syllabus (Ctrl + click)
[ANTH125](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ANTH125 - CLO 1	Outcome Identify primary disciplines and synthesize key concepts of humans' interaction with their environment.

Name ANTH125 - CLO 2	Outcome Evaluate how the interrelations of humans within their environment have led to unintended consequences (local, national, regional, & global).

Name ANTH125 - CLO 3	Outcome Evaluate the potential for quantifying the services the environment provides and the perceptions that define what is natural and wild.

ANTH126 - Introduction to Human Ecology Lab

Course Information

Course Number
126

Course Title (long)
Introduction to Human Ecology Lab

Course Description
The Introduction to Human Ecology Lab offers students the opportunity to engage in applied work in a laboratory style course that connects the social and the natural sciences. Students will learn through labs, activities, field trips, and hands-on experiences how humans are part of and yet constrained by the natural world. Students will learn about our natural and cultural environments from the local to the global.

Credit Hours
Min:
1

Billing Hours
Min:
1

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Anthropology

Syllabus (Ctrl + click)
[ANTH126](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ANTH126 - CLO 1	Outcome Identify how humans are both integrated and constrained by the natural world.
Name ANTH126 - CLO 2	Outcome Evaluate how human reliance on the natural world has led to untended consequences.
Name ANTH126 - CLO 3	Outcome Apply how quantifying the services the natural world provides can lead to changes in natural resource use.

ANTH205 - Culture and Personality

Course Information

Course Number
205

Course Title (long)
Culture and Personality

Course Description
Culture and Personality is a subdiscipline of anthropology that deals with the relationship between the culture of a particular society and the personality of its members. In this course, issues of identity, development, and sex/gender roles will be discussed as they apply to small scale, as well as industrial societies. In addition, we will investigate, through readings, discussion, and a field trip, the ways in which culture and personality have impacted the course of historical events and culture change. Note: This course is offered only in the Spring term.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Cultural and Global Awareness (CG), Ethical Reasoning and Action (E), Information Literacy (IL)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Anthropology

Syllabus (Ctrl + click)
[ANTH205](#)

Course Learning Outcomes

Upon completion of this course, through oral and written discussion and examination, the student will be able to:

Name ANTH205 - CLO 1	Outcome Discuss and recognize the value of culture in influencing how people understand their world.
Name ANTH205 - CLO 2	Outcome Students will employ the professional ethical standards in fieldwork assignments.
Name ANTH205 - CLO 3	Outcome Evaluate and organize information critically by using texts, journals, ethnographies, and other sources of information traditionally utilized in anthropology.

ANTH216 - Fieldwork in Archaeology

Course Information

Course Number
216

Course Title (long)
Fieldwork in Archaeology

Course Description
This course is designed as an introduction to archaeological field methods. Students will receive instruction in a broad range of archaeological activities, including excavation techniques, recording procedures and field photography. This course will offer field training through the excavation of a selected historic site in Monmouth County. Note: This course is offered only in the Summer term.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Anthropology

Syllabus (Ctrl + click)
[ANTH216](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ANTH216 - CLO 1	Tags Written and Oral Communication (Communication), Critical Thinking
Outcome Prepare a 5 x 5-unit square (Communication skills, Critical Thinking/ Problem Solving).	Justification Core Competencies: communication, critical thinking, historical/societal analysis, community and workplace, technological literacy, information literacy.

Name ANTH216 - CLO 2	Tags Written and Oral Communication (Communication), Historical Perspective (History)
Outcome Appraise required field experiences and unit notes (Communication Skills and Historical/Societal Perspective).	Justification Core Competencies: communication, critical thinking, historical/societal analysis, community and workplace, technological literacy, information literacy.

Name ANTH216 - CLO 3	Tags Information Literacy (Integrated Course Goal), Technological Competency (Technology)
Outcome Identify soil types using a Munsell Soil Chart (Information and Technological Literacy).	Justification Core Competencies: communication, critical thinking, historical/societal analysis, community and workplace, technological literacy, information literacy.

Name ANTH216 - CLO 4	Tags Community and Workplace
Outcome Develop interpersonal teamwork skills by working cooperatively in a group (Community and Workplace).	Justification Core Competencies: communication, critical thinking, historical/societal analysis, community and workplace, technological literacy, information literacy.

Name ANTH216 - CLO 5	Tags Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal), Technological Competency (Technology)
Outcome Analyze field experience by maintaining a field journal (Communication Skills and Information and Technological Literacy).	Justification Core Competencies: communication, critical thinking, historical/societal analysis, community and workplace, technological literacy, information literacy.

Name ANTH216 - CLO 6	Tags Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal), Technological Competency (Technology)
Outcome Identify artifacts according to type (Communication Skills, Historical/ Societal Perspective, and Information and Technological Literacy).	Justification Core Competencies: communication, critical thinking, historical/societal analysis, community and workplace, technological literacy, information literacy.

Name ANTH216 - CLO 7	Tags Written and Oral Communication (Communication), Critical Thinking, Historical Perspective (History)
Outcome Categorize artifact features in terms of context (Communication skills, critical thinking/ problem solving, and Historical/ Societal Analysis).	Justification Core Competencies: communication, critical thinking, historical/societal analysis, community and workplace, technological literacy, information literacy.

ANTH295 - Special Project-Anthropology

Course Information

Course Number
295

Course Title (long)
Special Project-Anthropology

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Anthropology

ARCH121 - People and Their Environment

Course Information

Course Number
121

Course Title (long)
People and Their Environment

Course Description
This introduction to design presents an overview of the relationship between people and their environment, both natural and man-made. The emphasis is on seeing and comprehending the world around us, identifying and discussing the forces of change at work in the environment and clarifying the role of the environmental designer. Supplementing the faculty lectures will be guest lectures and field trips.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH121](#)

Course Learning Outcomes

Through papers, projects, & research the student will be able to:

Name ARCH121 - CLO 1	Tags Critical Thinking
Outcome Examine how the history of architecture influences current design. (Critical Thinking).	

Name ARCH121 - CLO 2	Tags Information Literacy (Integrated Course Goal), Critical Thinking, Historical/Societal Analysis
Outcome Apply an understanding of how non-design factors influence building design. (Information Literacy, Critical Thinking, Historical/Societal Analysis) .	

Name ARCH121 - CLO 3	Tags Critical Thinking

Outcome

Analyze existing architectural design and develop an ability to effectively criticize said. (Critical Thinking).

Name

ARCH121 - CLO 4

Tags

Historical/Societal Analysis, Information Literacy (Integrated Course Goal), Critical Thinking

Outcome

Apply lessons learning in behavioral and physical context analysis to actual urban site conditions. (Historical/ Societal Analysis, Information Literacy, Critical Thinking).

Name

ARCH121 - CLO 5

Tags

Historical/Societal Analysis

Outcome

Recognize diverse cultural conditions relevant to the built environment. (Historical/Societal Analysis).

Name

ARCH121 - CLO 6

Tags

Creative Expression, Critical Thinking

Outcome

Develop design concepts as a logical conclusion to the learned design process. (Creative Expression, Critical Thinking).

Name

ARCH121 - CLO 7

Tags

Information Literacy (Integrated Course Goal)

Outcome

Recognize the design of the built environment relative to its causes and its affects. (Information Literacy).

ARCH131 - Introduction to Design I

Course Information

Course Number

131

Course Title (long)

Introduction to Design I

Course Description

This course is an introduction to basic principles and elements of design with emphasis on design methodology, abstract design theories and concepts and communication skills. The course draws upon many areas of design, particularly architectural, interior design, and industrial design constructs a systematic introduction to these fields.(Prerequisite or corequisite: ARCH- 121)

Credit Hours

Min:
5

Billing Hours

Min:
5

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH131](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- ARCH121 - People and Their Environment

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- ARCH121 - People and Their Environment

Course Learning Outcomes

Through hands-on projects the student will be able to:

Name ARCH131 - CLO 1	Outcome Demonstrate a mastery of the basic design principles and elements of design as shown in the first four chapters of the textbook.

Name ARCH131 - CLO 2	Outcome Be able to recognize and create three-dimensional design solutions using a rigorous design methodology rooted in abstract design theories.

Name ARCH131 - CLO 3	Outcome The ability to present and defend design ideas in both an oral and graphic format.

Name ARCH131 - CLO 4	Outcome Research and interpret subject matter in the fine arts and literature in order to develop abstract design concepts.

Name ARCH131 - CLO 5	Outcome Master graphic architectural and interior design skills through plan, section, elevation and axonometric drawing.

Name ARCH131 - CLO 6	Outcome Develop three-dimensional digital software literacy using "Sketch-Up" software packages.

ARCH132 - Introduction to Design II

Course Information

Course Number
132

Course Title (long)
Introduction to Design II

Course Description
This course continues the design fundamentals introduced in ARCH 131. Issues related to sensitivity to context and graphic analysis of existing architecture are also explored. (Prerequisites: A grade of "C" or higher in ARCH 121 and ARCH 131)

Credit Hours

Min:
5

Billing Hours

Min:
5

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Architecture

Syllabus (Ctrl + click)
[ARCH132](#)

Course Requirements

Simple Requisites

Prerequisite

Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- ARCH121 - People and Their Environment

Course Learning Outcomes

Through hands-on projects the student will be able to:

Name ARCH132 - CLO 1	Tags Critical Thinking, Creative Expression
Outcome Demonstrate a mastery of the basic design principles and elements of design as shown in the final four chapters of the textbook. (Critical Thinking, Creative Expression).	

Name ARCH132 - CLO 2	Tags Creative Expression, Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Be able to identify and create three-dimensional design solutions using a rigorous design methodology rooted in historical design theories. (Creative Expression, Critical Thinking, Information Literacy).	

Name ARCH132 - CLO 7	Tags Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Research and interpret human behavior patterns and observation techniques, discussed in Arch 121, for use in developing design solutions. (Critical Thinking, Information Literacy).	

Name ARCH132 - CLO 3	Tags Written and Oral Communication (Communication)
Outcome The ability to present and defend design ideas in both an oral and graphic format. (Communication).	

Name ARCH132 - CLO 4	Tags Information Literacy (Integrated Course Goal), Critical Thinking, Written and Oral Communication (Communication)
Outcome Research and interpret contextual conditions discussed in ARCH 121 in order to develop rational design concepts with the ability to defend those concepts to a jury of peers and faculty. (Information Literacy, Critical Thinking, Communication).	

Name ARCH132 - CLO 5	Tags Information Literacy (Integrated Course Goal), Written and Oral Communication (Communication)
Outcome Master digital graphic architectural and interior design skills through plan, section, elevation and axonometric drawing. (Information Literacy, Communication,)	

Name ARCH132 - CLO 6	Tags Critical Thinking, Creative Expression
Outcome Understand and manipulate basic structural theory in the development of three- dimensional buildings. (Critical Thinking, Critical Thinking, Creative Expression).	

ARCH151 - Architectural Construction I

Course Information

Course Number

151

Course Title (long)

Architectural Construction I

Course Description

This course is an introduction to the construction process and its relationship to architecture and interior design. The study of materials and methods of construction is concerned primarily with wood, heavy timber and masonry construction and is presented through lectures, exercises, case studies and site visits. Emphasis is on process, compatibility of materials and drawings as a communication tool in architecture and interior design.

Credit Hours

Min:

3

Billing Hours

Min:

3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)

ARCH-151

Course Learning Outcomes

Through examinations, projects, & field research the student will be able to:

Name ARCH151 - CLO 1	Tags Critical Thinking
Outcome Research and sketch specific construction details to determine their affect upon built form. (Critical Thinking).	

Name ARCH151 - CLO 2	Tags Information Literacy (Integrated Course Goal), Written and Oral Communication (Communication)
Outcome Orally present a research project explaining a construction method (Information Literacy, Communication).	

Name ARCH151 - CLO 3	Tags Information Literacy (Integrated Course Goal)

Outcome
Develop an understanding of standard residential construction methods and materials. (Information Literacy).

Name	Tags
ARCH151 - CLO 4	Written and Oral Communication (Communication)
Outcome	
Develop and use visual aids effectively. (Communication).	

Name ARCH151 - CLO 5	Tags Information Literacy (Integrated Course Goal), Critical Thinking
Outcome Recall specific construction details relative to specific architectural applications. (Information Literacy, Critical Thinking).	

Name	Tags
ARCH151 - CLO 6	Information Literacy (Integrated Course Goal), Critical Thinking
Outcome	
Examine the technical requirements of residential building and construction. (Information Literacy, Critical Thinking).	

ARCH152 - Architectural Construction II

Course Information

Course Number
152

Course Title (long)
Architectural Construction II

Course Description
A continuation of ARCH 151 that relates construction to architectural design. This will include an investigation of factors such as building codes, structure and mechanical system issues. The course will study materials and methods of masonry, concrete and steel construction. Commercial building planning and basic environmental systems will also be explored. Emphasis will be placed on criteria for selection of materials and systems, materials research, standards and test methods and forces of deterioration. Course material will be presented through lectures, field trips, films and case studies. (Prerequisite: A grade of "C" or higher in ARCH 151 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH152](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- ARCH151 - Architectural Construction I

OR

Criteria 2

OR:

- Permission of instructor.

Name ARCH152 - CLO 1	Tags Critical Thinking
Outcome Research and sketch specific construction details to determine their effect upon built form. (Critical Thinking).	

Name ARCH152 - CLO 2	Tags Information Literacy (Integrated Course Goal), Written and Oral Communication (Communication)
Outcome Orally present a research project explaining a construction method (Information Literacy, Communication)	

Name ARCH152 - CLO 3	Tags Information Literacy (Integrated Course Goal)
Outcome Develop an understanding of standard commercial construction methods and materials. (Information Literacy).	

Name ARCH152 - CLO 4	Tags Written and Oral Communication (Communication)
Outcome Develop and use visual aids effectively. (Communication)	

Name ARCH152 - CLO 5	Tags Information Literacy (Integrated Course Goal), Critical Thinking
Outcome Evaluate specific construction details relative to specific architectural applications. (Information Literacy, Critical Thinking).	

Name ARCH152 - CLO 6	Tags Information Literacy (Integrated Course Goal), Critical Thinking
Outcome Analyze various building code regulations as they apply to barrier-free accessibility and life-safety issues. (Information Literacy, Critical Thinking).	

Course Learning Outcomes

Through examinations, projects, & field research the student will be able to:

Name ARCH152 - CLO 7	Tags Information Literacy (Integrated Course Goal), Critical Thinking
Outcome Evaluate and explain the technical requirements of commercial building and construction. (Information Literacy, Critical Thinking).	

ARCH201 - History of Western Architecture

Course Information

Course Number 201
Course Title (long) History of Western Architecture

Course Description This course is a broad-based survey of the history of Western architecture from its beginnings in Mesopotamia and Egypt through the twentieth century, with emphasis on development of style, technology and the relationship of society to the built environment. Field trips may be required. (Prerequisite: ENGL 121)

Credit Hours

Min: 3

Billing Hours

Min: 3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Architecture

Syllabus (Ctrl + click) ARCH201

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
General Education
Complete ALL of the following Courses: ENGL121 - English Composition:The Writing Process

ARCH225 - 3D Architectural CAD

Course Information

Course Number 225
Course Title (long) 3D Architectural CAD

Course Description The student will be presented with a comprehensive course in 3 Dimensional modeling. The student will acquire the skills necessary to create 3D models and 3D graphics. The assignments will focus on multi-discipline applications including architecture and interior design. Students will create objects in 3D as it relates to 3D computer aided design and manufacturing. (Prerequisites: INTD-251 or COMP-129)

Credit Hours

Min: 3

Billing Hours

Min: 3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Architecture

Syllabus (Ctrl + click) ARCH225

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ANY of the following Courses: - INTD251 - CAD for Interior Design - COMP129 - Information Technology

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ARCH225 - CLO 1	Outcome Apply the chosen software to create 3-dimensional detail drawings and models of designed objects.
Name ARCH225 - CLO 2	Outcome Demonstrate design intent with rendered illustrative drawings.

ARCH235 - Media and Communication: Portfolio Development

Course Information

Course Number
235

Course Title (long)
Media and Communication: Portfolio Development

Course Description
The student will be introduced to various media relative to the development of a professional level design portfolio. Media will include pen and ink, marker, color pencil, pencil and films. The use of different reprographic techniques and applications will also be explored. (Prerequisites: A grade of "C" or higher in ARCH 131 AND ARCH 132)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH235](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- ARCH131 - Introduction to Design I
- ARCH132 - Introduction to Design II

Outcome
Master graphic architectural presentation skills through plan, section, elevation and axonometric drawing.

Name
ARCH235 - CLO 2

Outcome
Create architectural presentations using both manual and digital methods. Examine the basic principles of graphic composition relative to the development of a professional portfolio.

Name
ARCH235 - CLO 3

Course Learning Outcomes

Through hands-on projects the student will be able to:

Outcome
Develop three-dimensional digital software literacy using "Sketch-Up" software packages.

Name
ARCH235 - CLO 1

ARCH245 - History of Architecture: Pre-Historic to Gothic

Course Information

Course Number
245

Course Title (long)
History of Architecture: Pre-Historic to Gothic

Course Description
This course is a survey of social, political, technological, functional and aesthetic concerns of Western Architecture from its earliest beginnings to the late Gothic period. (Prerequisites: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading and ENGL-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH245](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
General Education
Complete ALL of the following Courses: ENGL121 - English Composition:The Writing Process
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading
OR
Criteria 2
OR: Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Through examinations, projects, & research the student will be able to:

Name	Tags
ARCH245 - CLO 1	Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome	
Examine how the history of Ancient - Gothic architecture has influenced current design. (Critical Thinking, Information Literacy).	

Name	Tags
ARCH245 - CLO 2	Historical/Societal Analysis
Outcome	
Apply non-design factors to the development of Ancient - Gothic architecture in order to be able to understand its evolutionary development. (Historical/Societal Analysis).	

Name	Tags
ARCH245 - CLO 3	Information Literacy (Integrated Course Goal)
Outcome	
Examine significant historic dates, times, buildings, and architect's critical ion the development of Ancient - Gothic architecture. (Information Literacy).	

Name	Tags
ARCH245 - CLO 4	Critical Thinking
Outcome	
Apply developments in the fine arts, literature, and music to understand their influence in the development of Ancient - Gothic architecture. (Critical Thinking).	

Name	Tags
ARCH245 - CLO 5	Critical Thinking, Historical/Societal Analysis
Outcome	
Apply political, economic, and technological developments to understand their influence in the development of Ancient - Gothic architecture. (Critical Thinking, Historical/Societal Analysis).	

ARCH246 - History of Architecture: Renaissance Through the 19th Century

Course Information

Course Number
246

Course Title (long)
History of Architecture: Renaissance Through the 19th Century

Course Description
This course is a survey of social, political, technological, functional and aesthetic concerns of Western Architecture from the Renaissance through the mid-19th century. (Prerequisites: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement and ENGL-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH246](#)

Course Requirements

Simple Requisites

Prerequisite Type	Prerequisite
	General Education
	Complete ALL of the following Courses:
	ENGL121 - English Composition:The Writing Process
	Foundational Studies Requirement in Reading
	Fulfill ANY of the following requirements:
	Criteria 1
	Complete at least 1 courses in the following course sets:
	Foundational Studies Requirement in Reading
	OR
	Criteria 2
	OR:
	Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Through examinations, projects, & research the student will be able to:

Name ARCH246 - CLO 1	Outcome Examine how the history of Renaissance architecture has influenced current design.
Name ARCH246 - CLO 2	Outcome Apply non-design factors to the development of Renaissance architecture in order to be able to understand its evolutionary development.
Name ARCH246 - CLO 3	Outcome Examine significant historic dates, times, buildings, and architects critical ion the development of Renaissance architecture.
Name ARCH246 - CLO 4	Outcome Apply developments in the fine arts, literature, and music to understand their influence in the development of Renaissance architecture.
Name ARCH246 - CLO 5	Outcome Apply political, economic, and technological developments to understand their influence in the development of Renaissance architecture.

ARCH247 - History of Architecture: Industrial Revolution to Modernism

Course Information

Course Number
247

Course Title (long)
History of Architecture: Industrial Revolution to Modernism

Course Description
The student will study the history of modern architecture from its precursors in the late 19th century through the "Late Modernist" movements after World War II. The student will be able to consider the technological, social, economic and cultural factors which have helped to shape the development of modern architecture relative to modern history and culture. Emphasis on American, regional and European architecture. (Prerequisites: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading and ENGL-121)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH247](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
General Education
Complete ALL of the following Courses: ENGL121 - English Composition:The Writing Process
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading
OR
Criteria 2

OR;
Course Learning Outcomes
The student will demonstrate completion of the College's foundational studies requirement in reading.
Through examinations, projects, & research the student will be able to:

Name	Tags
ARCH247 - CLO 1	Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Examine how the history of modern architecture has influenced current design. (Critical Thinking, Information Literacy)	

Name	Tags
ARCH247 - CLO 2	Historical/Societal Analysis
Outcome Apply non-design factors to the development of modern architecture in order to be able to understand its evolutionary development. (Historical/Societal Analysis)	

Name	Tags
ARCH247 - CLO 3	Information Literacy (Integrated Course Goal)
Outcome Examine significant historic dates, times, buildings, and architects critical on the development of modern architecture. (Information Literacy)	

Name	Tags
ARCH247 - CLO 4	Critical Thinking
Outcome Apply developments in the fine arts, literature, and graphic design to understand their influence in the development of modern architecture. (Critical Thinking)	

Name	Tags
ARCH247 - CLO 5	Critical Thinking, Historical/Societal Analysis
Outcome Apply political, economic, and technological developments to understand their influence in the development of modern architecture. (Critical Thinking, Historical/Societal Analysis)	

ARCH261 - Architectural Studio I

Course Information

Course Number
261

Course Title (long)
Architectural Studio I

Course Description
The studio builds upon the abstract concepts introduced in ARCH 131 and ARCH 132 toward three dimensional structures of singular functions. The lecture hour explores, in depth, the nature of technology, environment and social order, as they relate to studio work. (Prerequisites: A grade of "C" or higher in ARCH 131 AND ARCH 132)

Credit Hours
Min:
5

Billing Hours
Min:
5

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH261](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- ARCH131 - Introduction to Design I
- ARCH132 - Introduction to Design II

Course Learning Outcomes

Through hands-on projects the student will be able to:

Name ARCH261 - CLO 1	Outcome Demonstrate the ability to organize a building program into building space from functional and aesthetic perspectives.
Name ARCH261 - CLO 2	Outcome Analyze the non-design factors that influence building design.

Name ARCH261 - CLO 3	Outcome Create architectural presentations using both manual and digital methods.
Name ARCH261 - CLO 4	Outcome Apply the technical requirements of buildings and construction, learned in ARCH 151 & 152, into design projects.
Name ARCH261 - CLO 5	Outcome Develop the ability to create aesthetic expression rationalized by context, client, or abstract design theory.
Name ARCH261 - CLO 6	Outcome Create a three-dimensional design solutions using a rigorous design methodology rooted in historical design theories.
Name ARCH261 - CLO 7	Outcome Present and defend design ideas in both an oral and graphic format.
Name ARCH261 - CLO 8	Outcome Research and interpret contextual conditions discussed in ARCH 121 in order to develop rational design concepts with the ability to defend those concepts to a jury of peers and faculty.
Name ARCH261 - CLO 9	Outcome Master digital graphic architectural and interior design skills through plan, section, elevation and axonometric drawing.
Name ARCH261 - CLO 10	Outcome Manipulate basic structural theory in the development of three-dimensional buildings.
Name ARCH261 - CLO 11	Outcome Research and interpret human behavior patterns and observation techniques, discussed in Arch 121, for use in developing design solutions.

ARCH262 - Architectural Studio II

Course Information

Course Number
262

Course Title (long)
Architectural Studio II

Course Description
This studio course continues to build upon the design concepts introduced in ARCH 261. The lecture hour explores in depth aspects of architectural design. Detailed analysis and the design development of a complex program will be studied. (Prerequisite: A grade of "C" or higher in ARCH 261)

Credit Hours
Min:
5

Billing Hours
Min:
5

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Syllabus (Ctrl + click)
[ARCH262](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- ARCH261 - Architectural Studio I

Course Learning Outcomes

Through hands-on projects the student will be able to:

Name ARCH262 - CLO 1	Tags Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Demonstrate the ability to organize a building program into building space from functional and aesthetic perspectives. (Critical Thinking, Information Literacy).	

Name ARCH262 - CLO 2	Tags Community and Workplace, Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Analyze the non-design factors that influence building design. (Community & Workplace, Critical Thinking, Information Literacy)	

Name ARCH262 - CLO 3	Tags Creative Expression, Information Literacy (Integrated Course Goal)
Outcome Create architectural presentations using both manual and digital methods. (Creative Expression, Information Literacy)	

Name ARCH262 - CLO 4	Tags Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Apply the technical requirements of buildings and construction, learned in ARCH 151 & 152, into design projects. (Critical Thinking, Information Literacy)	

Name ARCH262 - CLO 5	Tags Creative Expression, Community and Workplace
Outcome Develop the ability to create aesthetic expression rationalized by context, client, or abstract design theory. (Creative Expression, Community & Workplace)	

Name ARCH262 - CLO 6	Tags Creative Expression, Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Create three-dimensional design solutions using a rigorous design methodology rooted in historical design theories. (Creative Expression, Critical Thinking, Information Literacy)	

Name ARCH262 - CLO 7	Tags Written and Oral Communication (Communication)

Outcome Present and defend design ideas in both an oral and graphic format. (Communication)

Name ARCH262 - CLO 8	Tags Information Literacy (Integrated Course Goal), Critical Thinking, Written and Oral Communication (Communication)
Outcome Research and interpret contextual conditions discussed in ARCH 121 in order to develop rational design concepts with the ability to defend those concepts to a jury of peers and faculty. (Information Literacy, Critical Thinking, Communication)	

Name ARCH262 - CLO 9	Tags Information Literacy (Integrated Course Goal), Written and Oral Communication (Communication)
Outcome Master digital graphic architectural and interior design skills through plan, section, elevation and axonometric drawing. (Information Literacy, Communication,)	

Name ARCH262 - CLO 10	Tags Critical Thinking, Creative Expression
Outcome Manipulate basic structural theory in the development of three-dimensional buildings. (Critical Thinking, Critical Thinking, Creative Expression)	

Name ARCH262 - CLO 11	Tags Critical Thinking, Information Literacy (Integrated Course Goal), Community and Workplace
Outcome Research and interpret human behavior patterns and observation techniques, discussed in Arch 121, for use in developing design solutions. (Critical Thinking, Information Literacy, Community & Workplace)	

Name ARCH262 - CLO 12	Tags Critical Thinking, Creative Expression, Information Literacy (Integrated Course Goal), Community and Workplace

Outcome Develop a capstone project that incorporates all information taught in prerequisites to this point. (Critical Thinking, Creative Expression, Information Literacy, Community & Workplace)

ARCH295 - Special Project - Architecture

Course Information

Course Number
295

Course Title (long)
Special Project - Architecture

Course Description
Students interested in pursuing a particular aspect of Architecture which extends beyond the scope of our existing courses may develop a proposal, subject to the approval of the Architecture Program Coordinator.

Credit Hours

Min:	Max:
1	5

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Architecture

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- Develop a proposal, subject to the approval of the Architecture Program Coordinator.

ARTC141 - Digital Paint I

Course Information

Course Number
141

Course Title (long)
Digital Paint I

Course Description
This course will provide students with an understanding of the theory and operation of computers as artist's tools. They will use paint software to create images. Students will need to dedicate additional time to working in the computer studio in order to complete assignments. (No previous computer experience is required. Some previous drawing experience is useful.)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Computer Art & Desktop Publish
Syllabus (Ctrl + click) ARTC-141		

Course Learning Outcomes

Name ARTC141 - CLO 1	Outcome Students will create images using digital paint software (Photoshop).
Name ARTC141 - CLO 2	Outcome Students will demonstrate their understanding of the functions and attributes of each tool in Photoshop's toolbox.
Name ARTC141 - CLO 3	Outcome Students will demonstrate their proficiency in the use layers, layer effects, masks and filters to create special effects.

ARTC142 - Digital Paint II

Course Information

Course Number
142

Course Title (long)
Digital Paint II

Course Description
Students will build upon the skills developed in Digital Paint I to create computer art images. Color scanners will be used to digitize images. Students will be encouraged to develop a portfolio of images. Students will need to dedicate additional time to working in the Digital Painting Studio in order to complete assignments.(Prerequisite: ARTC 141 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Computer Art & Desktop Publish
Syllabus (Ctrl + click) ARTC142		

Course Requirements

Simple Requisites
Prerequisite Type Prerequisite Career Studies Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Courses: • ARTC141 - Digital Paint I OR Criteria 2 OR: • Permission of instructor.

ARTC147 - Desktop Publishing I

Course Information

Course Number
147

Course Title (long)
Desktop Publishing I

Course Description
Students will be introduced to graphic illustration software for Desktop Publishing. The student will design color images to import into page layout software. Scanners and high resolution laser printers will be utilized. Students will need to spend additional time in the lab in order to complete assignments.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Computer Art & Desktop Publish

Syllabus (Ctrl + click)
[ARTC147](#)

ARTH105 - Art Appreciation

Course Information

Course Number
105

Course Title (long)
Art Appreciation

Course Description
Students will discuss the nature of aesthetics in general and art in particular. They will demonstrate an understanding of such essential principles as form, unity, space, color, balance and emphasis, and will be able to identify and analyze the works of selected artists from historical periods. Field trips may be required. (Prerequisites: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading; and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTH105](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in reading.
Foundational Studies Requirement in Writing Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Students will be able to:

Name ARTH105 - CLO 1	Outcome Be able to analyze a work of art.
Justification (Communication, Historical/Societal Analysis, Critical Thinking)	

Name ARTH105 - CLO 2	Outcome Illustrate the historic context of works of art.
Justification (Communication, Historical/Societal Analysis, Critical Thinking)	

Name ARTH105 - CLO 3	Outcome Demonstrate an understanding of how works of art represent the culture within which it was created.
Justification (Communication, Historical/Societal Analysis, Critical Thinking)	

Name ARTH105 - CLO 4	Outcome Illustrate the importance of a work to the history of art.
Justification (Communication, Historical/Societal Analysis, Critical Thinking)	

ARTH106 - History of Art: Ancient Through Medieval

Course Information

Course Number
106

Course Title (long)
History of Art: Ancient Through Medieval

Course Description
The student will survey the history of painting, sculpture and architecture from the Ancient through Medieval period with emphasis on stylistic analysis and the relationship of art to its cultural and historical center. Field trips may be required. (Prerequisites: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading and ENGL-121)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[ARTH106](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

General Education

Complete ALL of the following Courses:

- ENGL121 - English Composition:The Writing Process

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Students will:

Name ARTH106 - CLO 1	Outcome Translate what they have seen within a work of art into words to convey both the iconography and style of that work.
Name ARTH106 - CLO 2	Outcome Visually analyzed a major work of art which they have observed in person at a major art museum during the course of the semester.
Name ARTH106 - CLO 3	Outcome Examine a particular artist and/or the period style within which a work of art was created.

ARTH107 - History of Art: Renaissance Through Contemporary

Course Information

Course Number 107
Course Title (long) History of Art: Renaissance Through Contemporary
Course Description The student will survey the history of painting, sculpture and architecture from the Renaissance to the Contemporary with emphasis on stylistic analysis and the relationship of art to its cultural and historical context. Field trips may be required.(Students are not required, but are encouraged to take ARTH 106 prior to ARTH 107). (Prerequisites: READ 092, READ 095 or satisfactory completion of the College's basic skills requirement in reading and ENGL 121)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[ARTH-107](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
General Education Complete ALL of the following Courses: ENGL121 - English Composition:The Writing Process
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading OR Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Students will:

Name ARTH107 - CLO 1	Outcome Translate what they have seen within a work of art into words to convey both the iconography and style of that work.
Name ARTH107 - CLO 2	Outcome Visually analyzed a major work of art which they have observed in person at a major art museum during the course of the semester.
Name ARTH107 - CLO 3	Outcome Examine a particular artist and/or the period style within which a work of art was created.

ARTH110 - The Fine Arts of Asia

Course Information

Course Number
110

Course Title (long)
The Fine Arts of Asia

Course Description
This course will introduce our students to Southeast Asia's earliest artistic traditions formed between 2600 BCE and 500 CE. Course Units in Part 1 of this course address South and Southeast Asia's advances to the Modern World. Part 2 of our course covers China from the Neolithic Period and First Empires to its period of Modernization from 1912 to present times. Part 3 addresses Korean Art from Prehistory to the Present; Japanese Art from Prehistory to the Asuka Period; the Nara and Heian Periods; Kamajura, Muromachi, and Momoyama Periods; and from the Edo Period to the Present.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTH-110](#)

Course Learning Outcomes

Name ARTH110 - CLO 1	Outcome Demonstrate Visual Literacy of Key Works of Art and Architecture of China, Japan, Korea, India, and Indonesia from Ancient Periods to Present Times.
Name ARTH110 - CLO 2	Outcome Explain situations of "cause and effect" where works of art are clearly inspired by geo-political events.
Name ARTH110 - CLO 3	Outcome Evaluate the Effects that the Fine Arts of Asia have had on the development of Art Styles in Europe and the United States over several hundred years of exchange up to and including today - and vice-versa.

	Outcome Differentiate the various Indigenous Artistic Media and Techniques including processes used to cast bronze sculpture in antiquity; carved and cut stone sculptures; hand-ground-Ink on hand-made paper paintings throughout the ages, and woodblock prints.
Name ARTH110 - CLO 4	

	Outcome Compare the Artistic Visions of Asian Artists as both similar to and distinctly different from Artistic Visions of Western Artists.
Name ARTH110 - CLO 5	

	Outcome Identify various works of art from Asia, Europe, and North America, that correlate to one another. as though they are part of an international conversation.
Name ARTH110 - CLO 6	

ARTS109 - Introduction to Art Therapy

Course Information

Course Number
109

Course Title (long)
Introduction to Art Therapy

Course Description
This course is designed to answer the questions "What is art therapy?" and "How does it work?". An overview of the theoretical foundations and history of art therapy is presented. The application of art therapy in various settings and populations will be explored experimentally and didactically. NOTE: This course offered only in the Spring term.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Art

Syllabus (Ctrl + click)
[ARTS109](#)

ARTS111 - Drawing I

Course Information

Course Number
111

Course Title (long)
Drawing I

Course Description
Students will gain a working knowledge of basic principles and techniques of drawing in a studio setting. The course includes: value systems, light/shade, perspective, proportion and composition. Field trips may be required.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS111](#)

Course Learning Outcomes

Students will:

Name ARTS111 - CLO 1	Tags Creative Expression
Outcome Draw from the still life, using line and tone. (Creative Expression)	

Name ARTS111 - CLO 2	Tags Creative Expression, Critical Thinking
Outcome Draw interior views using linear perspective. (Creative Expression & Critical Thinking)	

Name ARTS111 - CLO 3	Tags Creative Expression
Outcome Apply a full-value range to their drawings that incorporates the presence of light and shadow and create convincing illusions of form in space. (Creative Expression)	

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- ARTS111 - Drawing I

Students will:

Name ARTS112 - CLO 1	Tags Creative Expression
Outcome Produce effective drawings using line, tone, color and collage. (Creative Expression)	

Name ARTS112 - CLO 2	Tags Creative Expression

ARTS121 - 2-D Design

Course Information

Course Number
121

Course Title (long)
2-D Design

Course Description
Students will be able to control and organize various design elements: line, shape, value, color, texture and space. Projects done in a variety of media will express an understanding of these elements.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS-121](#)

Name	Tags
ARTS121 - CLO 4	Creative Expression, Critical Thinking
Outcome Prepare designs that control the viewer's attention and response. (Creative Expression & Critical Thinking)	

Course Learning Outcomes

Students will:

Name	Tags
ARTS121 - CLO 1	Creative Expression
Outcome Control and organize visual elements of line, shape, texture, value, space and color. (Creative Expression)	

Name	Tags
ARTS121 - CLO 2	Creative Expression
Outcome Control and organize design elements of repetition, variety, rhythm, balance, emphasis and economy. (Creative Expression)	

Name	Tags
ARTS121 - CLO 3	Creative Expression, Critical Thinking
Outcome Prepare designs that control the viewing sequence. (Creative Expression & Critical Thinking)	

ARTS122 - Color Theory

Course Information

Course Number
122

Course Title (long)
Color Theory

Course Description
The student will be introduced to basic color relationships and the interaction of color. Students will develop an understanding of color phenomena relating to the two-dimensional plane and its application to the visual arts. In a studio setting, color problems are explored through paint, collage and paper.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS-122](#)

Course Learning Outcomes

Students will:

Name ARTS122 - CLO 1	Tags Critical Thinking
Outcome Build an experiential and conceptual understanding of color. (Critical Thinking)	

Name ARTS122 - CLO 2	Tags Critical Thinking, Creative Expression
Outcome Discuss and critique color effects in class work and homework. (Critical Thinking & Creative Expression)	

Name ARTS122 - CLO 3	Tags Critical Thinking, Creative Expression
Outcome Produce complex color compositions using printed papers (torn from magazines). (Critical Thinking & Creative Expression)	

Name ARTS122 - CLO 4	Tags Critical Thinking, Creative Expression
Outcome Produce complex color compositions using Coloraid papers. (Critical Thinking & Creative Expression)	

Name ARTS122 - CLO 5	Tags Critical Thinking, Creative Expression
Outcome Produce complex color compositions using paint on paper. (Critical Thinking & Creative Expression)	

Name ARTS122 - CLO 6	Tags Critical Thinking, Creative Expression
Outcome Produce color charts with subtle, predictable, incremental changes. (Critical Thinking & Creative Expression)	

ARTS123 - 3-D Design

Course Information

Course Number
123

Course Title (long)
3-D Design

Course Description
The student will be introduced to the basic concepts of three-dimensional design. In a studio setting, students will examine three-dimensional relationships and explore methods of shaping and structuring space. The course will involve project construction, lecture and critique. Field trips may be required. NOTE: This course is offered only in the Spring term. (Prerequisite: ARTS-121 or ARCH-131)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS123](#)

Name ARTS123 - CLO 2	Tags Information Literacy (Integrated Course Goal)
Outcome Visit museums to view major 3-dimensional works of art in person and write visual analysis of one or more pieces; recreate one or more works of art they have seen in person. (Information Literacy)	

Name ARTS123 - CLO 3	Tags Historical/Societal Analysis
Outcome Examine major 3-dimensional works of art created in the 20th and 21st centuries. (Historical/Societal Analysis)	

Name ARTS123 - CLO 4	Tags Written and Oral Communication (Communication)
Outcome Discuss iconography and style of major works of art. (Communication)	

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ANY of the following Courses: - ARTS121 - 2-D Design - ARCH131 - Introduction to Design I

Course Learning Outcomes

Students will:

Name ARTS123 - CLO 1	Tags Creative Expression
Outcome Apply techniques in papier mache, air-dry clay, wire, cardboard, non-traditional materials and found objects to create original works of art. (Creative Expression)	

ARTS156 - Sculpture I

Course Information

Course Number
156

Course Title (long)
Sculpture I

Course Description
The student will be introduced to the basic concepts of sculpture. In a studio setting, the relationship between form, space and concept will be explored through a series of exercises designed to expand the student's understanding of the materials and processes utilized in sculpture. Note: This course is offered only in the Fall term.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS156](#)

Course Learning Outcomes

Students will:

Name ARTS156 - CLO 1	Outcome Expand their understanding of the materials and processes utilized in sculpture.
Name ARTS156 - CLO 2	Outcome Consider the development of form, style, and historic significance of contemporary works of sculpture through visiting a major art museum during the semester.
Name ARTS156 - CLO 3	Tags Historical/Societal Analysis, Information Literacy (Integrated Course Goal)

Outcome Analyze the form and style of major works of sculpture and write an essay thatconveys their understanding of one work seen in person at a major art museum or outdoor sculpture park. (Historical/Societal Analysis) (Information Literacy)	

Name ARTS156 - CLO 4	Tags Creative Expression
Outcome Develop through demonstration and hands-on experience, various techniques utilized in the creation of sculpture. (Creative Expression)	

Name ARTS156 - CLO 5	Tags Written and Oral Communication (Communication)
Outcome Participate in classroom discussion and critiques. (Communication)	

Name ARTS156 - CLO 6	Tags Written and Oral Communication (Communication), Creative Expression
Outcome Participate in the creation of a sculptural work involving the collaborative process. (Communication and Creative Expression)	

ARTS161 - Jewelry I

Course Information

Course Number
161

Course Title (long)
Jewelry I

Course Description
Students will be introduced to the basic metalworking techniques, and the use of specialized tools and equipment employed in jewelry making. Emphasis will be on designing and creating finished pieces of fabricated and cast jewelry. Students will be acquiring their own metal, stones and other materials needed for the projects. Extra assisted studio time will be made available to work outside of class.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS161](#)

Course Learning Outcomes

This art course is designed to contribute to students’ education and creative growth through the craft of jewelry-making with emphasis on:

Name ARTS161 - CLO 1	Tags Creative Expression
Outcome Conceiving and designing jewelry (Creative Expression)	

Name ARTS161 - CLO 2	Tags Technological Competency (Technology)
Outcome Distinguishing the properties of various metals and other jewelry-making materials (Technological Literacy)	

Name ARTS161 - CLO 3	Tags Technological Competency (Technology)

Outcome Utilizing the proper specialized tools and equipment in the studio (Technological Literacy)

Name ARTS161 - CLO 4	Outcome Develop skill and craftsmanship through specific exercises and projects

Name ARTS161 - CLO 5	Tags Critical Thinking, Creative Expression
Outcome Utilizing what is learned in class to create works of art – jewelry. (Critical Thinking; Creative Expression)	

ARTS162 - Jewelry II

Course Information

Course Number

162

Course Title (long)

Jewelry II

Course Description

This course is a continuation of Jewelry I. Students will work with advanced techniques in casting and fabrication and will be introduced to etching, enameling, and anodizing. Emphasis will be on experimentation with materials and techniques, and on designing and creating original, finished pieces of jewelry. (Prerequisite: A grade of "C" or higher in ARTS 161)

Credit Hours

Min:

3

Billing Hours

Min:

3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)

ARTS162

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- ARTS161 - Jewelry I

Course Learning Outcomes

Students will:

Name ARTS162 - CLO 1	Tags Creative Expression
Outcome Develop more advanced methods and processes (Creative Expression)	

Name ARTS162 - CLO 2	Tags Creative Expression

Outcome
Develop individual style; originality in design; and craftsmanship (Creative Expression)

Name	Tags
ARTS162 - CLO 3	Creative Expression
Outcome	
Execute jewelry with new and traditional materials and techniques (Creative Expression)	

Name	Tags
ARTS162 - CLO 4	Creative Expression
Outcome	
Develop highly individualized skills and techniques (Creative Expression)	

ARTS213 - Figure Drawing

Course Information

Course Number
213

Course Title (long)
Figure Drawing

Course Description
In this studio course working from the live model, the student will be able to translate basic structural relationships, both skeletal and muscular, through the drawing medium. Various materials will be used. (Prerequisite: ARTS 111 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS-213](#)

Course Requirements

Simple Requisites

Prerequisite

Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- ARTS111 - Drawing I

OR

Criteria 2

OR:

- Permission of instructor.

Outcome

Apply line and tone to the page in a manner that conveys the human figure in both a simplified and complex manner. (Creative Expression)

Name

ARTS213 - CLO 2

Tags

Creative Expression

Outcome

Master methods needed to create convincing proportions, value ranges, the illusion of mass, and weight. (Creative Expression)

Course Learning Outcomes

Students will:

Name	Tags
ARTS213 - CLO 1	Creative Expression

ARTS214 - Figure Drawing II

Course Information

Course Number
214

Course Title (long)
Figure Drawing II

Course Description
Figure Drawing II is designed as an advanced studio drawing course working with the human figure. The student will work on developing new drawing strategies in dealing with the figure as well as experimenting with different art media. Personal approach and style will also be a consideration of the course. (Prerequisite: ARTS 213)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS214](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
ARTS213 - Figure Drawing

Course Learning Outcomes

Students will:

Name	Tags
ARTS214 - CLO 1	Creative Expression
Outcome	
Develop individualized drawing strategies and a personalized style. (Creative Expression)	

Name	Tags
ARTS214 - CLO 2	Creative Expression

Outcome
Broaden individual drawing experience with the human form and strengthen their drawing skills. (Creative Expression)

Name	Tags
ARTS214 - CLO 3	Historical/Societal Analysis
Outcome	
Explore the master figure drawings by major artists from throughout art history. (Historical/Societal Analysis)	

ARTS231 - Painting I

Course Information

Course Number
231

Course Title (long)
Painting I

Course Description
This course is the introduction to the fundamentals of studio practices and painting approaches used in oils. Emphasis will be placed on personal expression as well as on an understanding of various historical and contemporary modes. Emphasis will also be placed on the development of the palette, color mixing and on compositions from still life. Studio sessions and critiques are on an individual basis. (Prerequisite: ARTS 111 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS231](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

ARTS111 - Drawing I

OR

Criteria 2

OR:

Permission of instructor.

ARTS232 - Painting II

Course Information

Course Number
232

Course Title (long)
Painting II

Course Description
In addition to working from the still-life, students will solve pictorial problems such as abstract handling of color relationships and spatial structures. Further personal exploration of the media and class critiques with slides and films are part of the students' experience. (Prerequisite: ARTS 231 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS232](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

ARTS231 - Painting I

OR

Criteria 2

OR:

Permission of instructor.

Course Learning Outcomes

Students will:

Name	Tags
ARTS232 - CLO 1	Critical Thinking

Outcome Solve pictorial problems such as abstract handling of color relationships and spatial structures (Critical Thinking).

Name ARTS232 - CLO 2	Tags Creative Expression
Outcome Develop their own color palette (Creative Expression).	

Name ARTS232 - CLO 3	Tags Creative Expression
Outcome Develop their own painting style and approach to subject matter (Creative Expression).	

ARTS233 - Acrylic Painting

Course Information

Course Number 233
Course Title (long) Acrylic Painting
Course Description This is an acrylic painting course designed for the more experienced student in which certain problems of form and approach to subject are investigated. Experimental techniques with media, size, format and construction will be stressed. Weekly critique sessions are part of the course. (Prerequisite: ARTS 231 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Courses: - ARTS231 - Painting I OR Criteria 2 OR; - Permission of instructor.

ARTS235 - Watercolor

Course Information

Course Number
235

Course Title (long)
Watercolor

Course Description
The student will be introduced to the techniques and processes of watercolor: washes, texture applications, brush manipulations and stretched paper. Emphasis will be placed on materials and composition. Field trips may be required. NOTE: This course is offered only in the Summer term. (Prerequisite: ARTS-111 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[ARTS235](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

ARTS111 - Drawing I

OR

Criteria 2

OR:

Permission of instructor.

Course Learning Outcomes

Students will:

Name ARTS235 - CLO 1	Tags Technological Competency (Technology)
Outcome Gain a basic understanding of the materials and techniques of watercolor (Technological Literacy)	

Name ARTS235 - CLO 2	Tags Creative Expression, Critical Thinking
Outcome Layout basic color palettes and develop a personal color palette (Critical Thinking/Creative Expression)	

Name ARTS235 - CLO 3	Tags Creative Expression
Outcome Create several full-palette watercolor paintings (Creative Expression)	

Name ARTS235 - CLO 4	Tags Creative Expression
Outcome Work with landscape and still life subject matter to create a variety of painted compositions (Creative Expression)	

ARTS295 - Special Project - Art

Course Information

Course Number
295

Course Title (long)
Special Project - Art

Course Description
Students may choose to specialize or investigate some area in greater depth by selecting 1-6 credits in this individual learning course for the major.

Credit Hours
Min: 1
Max: 6

Department(s) ~*
Art

ARTS299 - Art Internship

Course Information

Course Number
299

Course Title (long)
Art Internship

Course Description
This work/study program provides students with an opportunity to obtain direct and practical art experience. Students will work in areas related to their program, such as: Interior Design, Studio, Gallery and Museum Apprenticeship, Art Instruction, Applied and Commercial Arts. (Prerequisite: Students in Art Option must have completed 30 credits in Art and have permission of the instructor and Career Services Representative. Students in Interior Design Option must have completed 30 credits, including 15 credits in Interior Design and Art, and have permission of the instructor and Career Services Representative)

Credit Hours

Min:	Max:
1	3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Students in Art Option Fulfill ALL of the following requirements: - Students in Art Option must have completed 30 credits in Art. - Have permission of the instructor and Career Services Representative.
Students in Interior Design Option Fulfill ALL of the following requirements: - Students in Interior Design Option must have completed 30 credits, including 15 credits in Interior Design and Art. - Have permission of the instructor and Career Services Representative

AUTO100 - Basic Automotive Maintenance

Course Information

Course Number
100

Course Title (long)
Basic Automotive Maintenance

Course Description
This course is designed for the "do-it-yourself mechanic". Various systems of the automobile are studied with special emphasis placed on general maintenance and service. Practical work performed as part of this course is designed to teach the student proper technique and procedures that he/she can perform at home to help maintain an automobile properly. Most of this information is consumer oriented and is highly useful whether performing your own maintenance or not.

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Automotive

Syllabus (Ctrl + click)
[AUTO100](#)

AUTO101 - Automotive Fundamentals

Course Information

Course Number
101

Course Title (long)
Automotive Fundamentals

Course Description
This is the first course in a series for Automotive majors. The primary focus is on the theory, operation and servicing of various systems of the modern automobile. Special emphasis will be placed on examining engine, ignition and fuel system fundamentals. Shop policies and procedures, career opportunities, consumer information and industry standards will be discussed to better prepare the student for future employment in the automotive service industry.

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Automotive

Syllabus (Ctrl + click)
[AUTO101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name AUTO101 - CLO 1	Outcome Describe orally and in written form, the theory, operation and servicing of various systems of the modern automobile.
Name AUTO101 - CLO 2	Outcome Perform specific standard industry service procedures.
Name AUTO101 - CLO 3	Outcome Demonstrate usage of various service information sources
Name AUTO101 - CLO 4	Outcome Describe and apply BCC Automotive Technology policies and procedures.

AUTO111 - Automotive Drivelines and Transmissions

Course Information

Course Number
111

Course Title (long)
Automotive Drivelines and Transmissions

Course Description
This course investigates the different kinds of drive systems used in today's automobiles and requires the student to learn how to service and overhaul various components of those systems. Included are clutches, manual and automatic transmissions, drive shafts and half-shafts, differentials, rear axles, front-wheel drive and four-wheel drive. (Prerequisite: A grade of "C" or higher in AUTO- 101)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Automotive

Syllabus (Ctrl + click)
[AUTO111](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
AUTO101 - Automotive Fundamentals

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name AUTO111 - CLO 1	Tags Critical Thinking
Outcome Describe the theory, operation and servicing of driveline components of the modern automobile. (Critical thinking)	

Name AUTO111 - CLO 2	Tags Critical Thinking
Outcome Diagnose problems and perform specific standard industry service procedures. (Critical thinking)	

Name AUTO111 - CLO 3	Tags Technological Competency (Technology)
Outcome Demonstrate repair of clutches, manual transmissions, and differentials. (Technological literacy)	

AUTO123 - Engine Performance I

Course Information

Course Number
123

Course Title (long)
Engine Performance I

Course Description
This course is designed to give students the background training required to service automotive computer systems. Special emphasis will be placed on computer controlled fuel systems and the use of scan tools and diagnostic modes to solve driveability problems. (Prerequisites: A grade of "C" or higher in AUTO 101 and AUTO 141)

Credit Hours
Min:
4

Billing Hours
Min:
4

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Syllabus (Ctrl + click)
[AUTO123](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - AUTO101 - Automotive Fundamentals - AUTO141 - Automotive Electricity/Electronics I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name AUTO123 - CLO 1	Outcome Describe the theory, operation and servicing of fuel system, ignition, and emission control components of the modern automobile.
Name AUTO123 - CLO 2	Outcome Diagnose problems and perform specific standard industry service procedures

Name	Outcome
AUTO123 - CLO 3	Demonstrate competency in the use of scan tools.

AUTO131 - Automotive Steering, Suspension and Alignment

Course Information

Course Number	131
Course Title (long)	Automotive Steering, Suspension and Alignment
Course Description	This course is designed to give students knowledge and practical experience in servicing the various steering and suspension systems. Students will perform various steering and suspension repairs, as well as apply their understanding of alignment factors by performing complete two and four-wheel alignments. (Prerequisite or Corequisite: A grade of "C" or higher in AUTO 101)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Automotive

Syllabus (Ctrl + click)
[AUTO131](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
AUTO101 - Automotive Fundamentals

Corequisite
Type
Corequisite
Career Studies
Earn a minimum grade of "C" in the following:
AUTO101 - Automotive Fundamentals

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name AUTO131 - CLO 1	Outcome Describe the theory, operation, and service of steering and suspension systems found on automobiles and light trucks.
Name AUTO131 - CLO 2	Outcome Diagnose problems and perform specific standard industry service procedures.
Name AUTO131 - CLO 3	Outcome Demonstrate ability to perform 4-wheel alignments.
Name AUTO131 - CLO 4	Outcome Describe verbally and in written form, an understanding of the relationship of various alignment angles.

AUTO132 - Automotive Brake Systems

Course Information

Course Number 132
Course Title (long) Automotive Brake Systems
Course Description This course emphasizes the design, operation, diagnosis and repair procedures associated with modern automotive brake systems. Beginning with overhaul of standard drum and disc brake systems, the course of study will include machining processes, hydraulic system design and repair, power brakes and anti-lock brake systems. (Prerequisite or Corequisite: A grade of "C" or higher in AUTO 101)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Syllabus (Ctrl + click)
[AUTO132](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Earn a minimum grade of "C" in the following: AUTO101 - Automotive Fundamentals
Corequisite Type Corequisite	Career Studies Earn a minimum grade of "C" in the following: AUTO101 - Automotive Fundamentals

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name AUTO132 - CLO 1	Outcome Describe the theory, operation and servicing of braking systems found on automobiles and light trucks.
Name AUTO132 - CLO 2	Outcome Diagnose problems and perform specific standard industry service procedures as they pertain to modern braking systems.
Name AUTO132 - CLO 3	Outcome Perform a complete brake system overhaul of typical drum and disc brake systems.
Name AUTO132 - CLO 4	Outcome Use scan tools to diagnose Anti-lock brake (ABS) system problems.
Name AUTO132 - CLO 5	Outcome Describe operation and identify components of typical ABS.
Name AUTO132 - CLO 6	Outcome Perform machining processes associated with brake overhaul.

AUTO141 - Automotive Electricity/Electronics I

Course Information

Course Number
141

Course Title (long)
Automotive Electricity/Electronics I

Course Description
Basic electricity and how it applies to the automobile is the primary focus of this course. Students are required to test and overhaul components of the starting, charging, body and chasis electrical systems. System design and basic electronics are discussed in order to provide a better understanding of the role of electronics and computers in today's cars. (Prerequisite or Corequisite: A grade of "C" or higher in AUTO 101)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Syllabus (Ctrl + click)
[AUTO141](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Earn a minimum grade of "C" in the following: AUTO101 - Automotive Fundamentals
Corequisite Type Corequisite	Career Studies Earn a minimum grade of "C" in the following: AUTO101 - Automotive Fundamentals

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name AUTO141 - CLO 1	Outcome Describe orally and in written form, electrical theory, and the operation and servicing of electrical components of the modern automobile.
Name AUTO141 - CLO 2	Outcome Diagnose problems and perform specific standard industry service procedures using electrical test equipment.
Name AUTO141 - CLO 3	Outcome Demonstrate the ability to use automotive electrical schematics to diagnose typical electrical.

AUTO213 - Automatic and Manual Transmission Overhaul

Course Information

Course Number
213

Course Title (long)
Automatic and Manual Transmission Overhaul

Course Description
Building on knowledge gained in AUTO 111, this course is designed to give the student practical experience in the overhaul of automatic transmissions and transaxles. To further enhance the student's understanding of this discipline, special instruction on torque converters, torque converter clutches and electronic transmission operation is also included in this course of study. (Prerequisite: A grade of "C" or higher in AUTO 111)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Syllabus (Ctrl + click)
[AUTO213](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: AUTO111 - Automotive Drivelines and Transmissions

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name AUTO213 - CLO 1	Outcome Describe the theory, operation and servicing of automatic transmissions found in automobiles and light trucks.

Name AUTO213 - CLO 2	Outcome Diagnose problems and perform specific standard industry service procedures.

Name AUTO213 - CLO 3	Outcome Demonstrate proper rebuilding techniques of rear wheel and front wheel drive automatic transmissions and transaxles.

AUTO222 - Engine Performance II

Course Information

Course Number 222
Course Title (long) Engine Performance II
Course Description This course is designed to examine automotive emissions and methods used to control them, with special emphasis placed on computer control of both emissions and ignition systems, and how these areas affect engine performance. Practical use of scan tools, self-diagnostic modes and engine analyzers will be covered to better prepare the student to solve related driveability problems. (Prerequisite: A grade of "C" or higher in AUTO 123; and AUTO 141)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Automotive

Syllabus (Ctrl + click)
[AUTO222](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - AUTO123 - Engine Performance I - AUTO141 - Automotive Electricity/Electronics I

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name AUTO222 - CLO 1	Outcome Verbally describe the operation of modern emission control devices and ignition systems.

Name AUTO222 - CLO 2	Outcome Demonstrate the use of proper diagnosis techniques to solve drivability problems.

Name AUTO222 - CLO 3	Outcome Perform industry service procedures using appropriate equipment.

Name AUTO222 - CLO 4	Outcome Demonstrate the ability to successfully use scan tools and electronic service information to solve drivability problems.

AUTO226 - Automotive Engines I

Course Information

Course Number
226

Course Title (long)
Automotive Engines I

Course Description
This course will familiarize students with engine overhaul procedures. Proper diagnosis, disassembly, inspection and measuring, machining operations and reassembly will be topics studied. Lab work will include complete disassembly and reassembly of an automotive engine; emphasis will be placed on machining of cylinder heads and valves. (Prerequisite: A grade of "C" or higher in AUTO 123 and AUTO 141)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Syllabus (Ctrl + click)
[AUTO226](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - AUTO123 - Engine Performance I - AUTO141 - Automotive Electricity/Electronics I

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name AUTO226 - CLO 1	Outcome Describe the theory, operation and servicing of automotive engines.

Name AUTO226 - CLO 2	Outcome Diagnose engine mechanical problems and perform specific standard industry service procedures.

Name AUTO226 - CLO 3	Outcome Demonstrate proper engine rebuilding techniques.

Name AUTO226 - CLO 4	Outcome Demonstrate cylinder head rebuilding processes.

AUTO241 - Automotive Electricity/Electronics II

Course Information

Course Number
241

Course Title (long)
Automotive Electricity/Electronics II

Course Description
Beginning with a review of fundamentals, this course proceeds into capacitance, magnetism, semi-conductors, amplifiers, integrated circuits and microprocessors as they relate to the modern automobile. Practical application of the above information will be stressed as part of the diagnostic and trouble-shooting procedures.(Prerequisite: A grade of "C" or higher in AUTO 123 and AUTO 141)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Syllabus (Ctrl + click)
[AUTO241](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - AUTO123 - Engine Performance I - AUTO141 - Automotive Electricity/Electronics I

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name AUTO241 - CLO 1	Outcome Describe verbally and in written form, the operational characteristics of capacitors, magnetically operated devices, semi-conductors, amplifiers, integrated circuits and microprocessors.

Name AUTO241 - CLO 2	Outcome Perform standard industry tests on the above components as they apply to automotive circuits.

Name AUTO241 - CLO 3	Outcome Diagnose advanced automotive electrical problems using appropriate test equipment.

AUTO243 - Automotive Heating and Air Conditioning

Course Information

Course Number 243	Course Title (long) Automotive Heating and Air Conditioning

Course Description
This course is designed to cover the automotive heating, cooling and refrigeration systems. Emphasis will be placed on refrigeration system operation, service and diagnosis, as well as diagnosis and repair of cooling systems and other power accessories commonly found on modern automobiles. (Prerequisite: A grade of "C" or higher in AUTO-141)Note: This course is offered only in the Fall term.

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Syllabus (Ctrl + click)
[AUTO243](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: AUTO141 - Automotive Electricity/Electronics I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name AUTO243 - CLO 1	Outcome Describe the theory, operation and servicing of heating, ventilation, and air conditioning systems of the modern automobile.

Name AUTO243 - CLO 2	Outcome Diagnose automotive air conditioning and cooling system problems and perform specific standard industry service procedures.
Name AUTO243 - CLO 3	Outcome Demonstrate the ability to safely evacuate, test, and charge modern automotive Air Conditioning systems.
Name AUTO243 - CLO 4	Outcome Demonstrate an understanding of environmental issues associated with modern automotive A/C systems.

AUTO244 - Automotie Electricity/Electronics II and Air Conditioning

Course Information

Course Number
244

Course Title (long)
Automotie Electricity/Electronics II and Air Conditioning

Course Description
This course is for General Motors ASEP students only. It reviews the fundamentals of electricity, and then proceeds into capacitance, magnetism, semi-conductors, amplifiers, integrated circuits and microprocessors and how they relate to the power accessories commonly found on modern automobiles. It also covers the heating, cooling and refrigeration systems, and how these systems are electronically integrated. Service and diagnosis, as well as diagnosis and repair of the HVAC system will be emphasized. (Prerequisites: A grade of "C" or higher in AUTO 123 and AUTO 141)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Syllabus (Ctrl + click)
[AUTO244](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: - AUTO123 - Engine Performance I - AUTO141 - Automotive Electricity/Electronics I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name AUTO244 - CLO 1	Outcome Describe both in verbal and written form, the operational characteristics of capacitors, magnetically operated devices, semi-conductors, amplifiers, integrated circuits and microprocessors.

Name AUTO244 - CLO 2	Outcome Perform standard industry tests on the above components as they apply to automotive circuits.

Name AUTO244 - CLO 3	Outcome Diagnose advanced automotive electrical problems using appropriate test equipment and available service information.

AUTO295 - Special Project - Automotive Technology

Course Information

Course Number
295

Course Title (long)
Special Project - Automotive Technology

Course Description
Students may choose to specialize or investigate some area in greater depth by selecting 1-6 credits in this individual learning course for the Automotive Technology major. An interview with the appropriate Auto Tech instructor is required prior to registration.

Credit Hours

Min: 1	Max: 6

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Automotive

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Fulfill ALL of the following requirements: An interview with the appropriate Auto Tech instructor is required prior to registration.

AUTO299 - Automotive Internship

Course Information

Course Number
299

Course Title (long)
Automotive Internship

Course Description
This course is designed for the Automotive Technology major who wishes to earn credit while working in the field. The course requirements will be discussed with an automotive instructor and Career Services Representative prior to a student's participation.

Credit Hours

Min: 1	Max: 6

Department(s) ~*
Automotive

BIOL101 - General Biology I

Course Information

Course Number
101

Course Title (long)
General Biology I

Course Description
This introductory level course is designed for science majors and for students in other majors that require a laboratory science course. Through exercises in the laboratory and classroom experiences, the student will demonstrate the ability to identify, describe and interpret basic biological concepts. These concepts include the chemical basis of life, levels of organization, photosynthesis, cellular respiration, metabolism, and genetic continuity and heredity. Scientific inquiry utilizing the scientific method is emphasized throughout the course. (Prerequisites: HS Biology or a grade of "C" or higher in BIOL-105, HS Chemistry or a grade of "C" or higher in CHEM-100 or CHEM-136, and a grade of "C" or higher in MATH-021 or MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra, READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing).

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL-101](#)

Course Requirements

Simple Requisites

Prerequisite Type	Prerequisite
	Career Studies
	Fulfill ANY of the following requirements:
	Criteria 1
	Earn a minimum grade of "C" in the following:
	- BIOL105 - Life Sciences - CHEM100 - Principles of Chemistry OR CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
	OR

Criteria 2

OR:

- HS Biology.
- HS Chemistry.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

Must be READ-095

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- [Foundational Studies Requirement in Algebra](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in algebra.

Course Learning Outcomes

Name BIOL101 - CLO 1	Outcome Demonstrate comprehension and application of basic biological concepts: properties of life chemistry of life; cell structure and function; photosynthesis, cellular respiration and metabolism; genetics and heredity.

Name BIOL101 - CLO 2	Tags Scientific Knowledge and Reasoning (Science)
Outcome Employ the scientific method of inquiry to gather and use information for the express purposes of critical thinking, information analysis, and problem solving; (SC)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (SC) Sciences

Name BIOL101 - CLO 3	Outcome Use appropriate technology.

BIOL101LAB - General Biology I Lab

Course Information

Course Number
101LAB

Course Title (long)
General Biology I Lab

Credit Hours

Min:
0

Department(s) ~*
Biology

BIOL102 - General Biology II

Course Information

Course Number
102

Course Title (long)
General Biology II

Course Description

Through laboratory exercises and classroom experiences the student will demonstrate the ability to identify and interpret basic biological concepts related to the evolution, behavior, unity and diversity and ecology of living organisms. This course, together with BIOL 101, serves as an initial sequence for further studies in the biological sciences. (Prerequisite: A grade of "C" or higher in BIOL 101)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies

Sciences (SC)

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Biology

Syllabus (Ctrl + click)
[BIOL102](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
BIOL101 - General Biology I

BIOL102LAB - General Biology II Lab

Course Information

Course Number
102LAB

Course Title (long)
General Biology II Lab

Credit Hours
Min:
0

Department(s) ~*
Biology

BIOL105 - Life Sciences

Course Information

Course Number
105

Course Title (long)
Life Sciences

Course Description
This course is intended to meet a laboratory science requirement for the non-science major. Through laboratory exercises and classroom experiences the student will demonstrate an appreciation of life phenomena and the diversity of living organisms. Topics include basic metabolic functions that create and sustain life, reproduction, growth, development, behavior and adaptation of selected life forms and the interactions among living organisms. (Prerequisite: A grade of "C" or higher in MATH-012, MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL105](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- [Foundational Studies Requirement in Computation](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in computation.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

Must be READ-095

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

• [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in writing.

BIOL105LAB - Life Sciences Lab

Course Information

Course Number
105LAB

Course Title (long)
Life Sciences Lab

Credit Hours

Min:
0

Department(s) ~*
Biology

Course Learning Outcomes

The student will be able to:

Name BIOL105 - CLO 1	Outcome Demonstrate application of basic biological concepts: properties of life; chemistry of life; cell structure & function; reproduction and genetics; evolution and diversity.
Name BIOL105 - CLO 2	Outcome Use the scientific method of inquiry to explore biological phenomena.
Name BIOL105 - CLO 3	Outcome Employ appropriate technology and resources to collect and interpret biological information and data.

BIOL108 - Human Biology

Course Information

Course Number
108

Course Title (long)
Human Biology

Course Description
This survey course is intended to meet a laboratory science requirement for non-science majors. Through classroom and laboratory experiences, the student will demonstrate a basic understanding of how the human body functions in healthy and diseased states. Included in the course is a broad overview of human anatomy, physiology and organization. Course lecture and discussions also include ethical biomedical issues. (Prerequisites: Grade of "C" or higher in MATH-012, MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-095 or satisfactory completion of the College's foundational studies requirement reading, ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies
Sciences (SC), Ethical Reasoning and Action (E)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL108](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

• [Foundational Studies Requirement in Computation](#)

OR

OR:

• Satisfactory completion of the College's foundational studies requirement in computation.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

Must be READ-095

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

• [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

The student will be able to:

Name BIOL108 - CLO 1	Outcome Demonstrate comprehension of basic concepts in anatomy and physiology, chemistry of life, cell structure & function, histology, anatomy & physiology of selected organ systems
Name BIOL108 - CLO 2	Outcome Apply basic concepts in human anatomy and physiology to health and disease states.
Name BIOL108 - CLO 3	Outcome Apply principles of Scientific Method to bioethics through discussions of the use of animals and human test subjects in experimentation, stem cells or GMO, euthanasia, environmental ethics and other current issues.

BIOL111 - Anatomy and Physiology I

Course Information

Course Number
111

Course Title (long)
Anatomy and Physiology I

Course Description
This course is designed to satisfy the requirements of health sciences programs, the needs of the pre-professional student and those who desire a deeper understanding of the human body. Through classroom and laboratory experiences, the student will be able to identify and describe the anatomy, and demonstrate an understanding of the physiology of the human body at the molecular, cellular, tissue and organ system levels. Covered in this course are the integumentary, skeletal, muscular, nervous and digestive systems of the human body. (Prerequisites: HS Biology or a grade of "C" or higher in BIOL-105, HS Chemistry or a grade of "C" or higher in CHEM-100 or CHEM-136, and a grade of "C" or higher in MATH-021 or MATH-025 or or satisfactory completion of the College's foundational studies requirement in algebra, READ-095 or satisfactory completion of the College's foundational studies requirement in reading and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing).

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL111](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Earn a minimum grade of "C" in the following:
- BIOL105 - Life Sciences - CHEM100 - Principles of Chemistry OR CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
OR
Criteria 2

- OR:
- HS Biology.
 - HS Chemistry.

Foundational Studies Requirement in Algebra
Fulfill ANY of the following requirements:

- Criteria 1
- Earn a minimum grade of "C" in the following:
- [Foundational Studies Requirement in Algebra](#)

OR

- Criteria 2
- OR:
- Satisfactory completion of the College's foundational studies requirement in algebra.

Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:

- Criteria 1
- Complete at least 1 courses in the following course sets:
- [Foundational Studies Requirement in Reading](#)

Must be READ-095

OR

- Criteria 2
- OR:
- Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing
Fulfill ANY of the following requirements:

- Criteria 1
- Complete ALL of the following Course Sets:
- [Foundational Studies Requirement in Writing](#)

OR

- Criteria 2
- OR:
- Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

The student will be able to:

Name	Tags
BIOL111 - CLO 1	Scientific Knowledge and Reasoning (Science)

Outcome Examine the gross and microscopic anatomy of the human skeletal, muscular, nervous and digestive systems and understand the relationships between the various structures.	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (SC) Sciences

Name BIOL111 - CLO 2	Tags Scientific Knowledge and Reasoning (Science)
Outcome Demonstrate comprehension of the physiology of the integumentary, skeletal, muscular, nervous and digestive systems.	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (SC) Sciences

Name BIOL111 - CLO 3	Tags Scientific Knowledge and Reasoning (Science)
Outcome Employ the deductive reasoning logic utilized in the scientific method to comprehend basic concepts in anatomy and physiology: Homeostatic regulation and responses to homeostatic imbalances; Complementarity of form and function at the chemical, cellular, tissue, and system levels.	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (SC) Sciences

BIOL111LAB - Anatomy and Physiology I Lab

Course Information

Course Number 111LAB
Course Title (long) Anatomy and Physiology I Lab
Credit Hours Min: 0
Department(s) ~* Biology

BIOL112 - Anatomy and Physiology II

Course Information

Course Number 112
Course Title (long) Anatomy and Physiology II
Course Description As the second course in the Anatomy and Physiology sequence, this course is designed to satisfy the requirements of health sciences programs, the needs of the pre-professional student and those who desire a deeper understanding of the human body. Through classroom and laboratory experiences, the student will be able to identify and describe the anatomy, and demonstrate an understanding of the physiology of the human body at the molecular, cellular, tissue and organ system levels. Covered in this course are the cardiovascular, immune, lymphatic, urinary, respiratory, endocrine and reproductive systems of the human body. (Prerequisite: A grade of "C" or higher in BIOL-111)

Credit Hours

Min: 4

Billing Hours

Min: 4

General Education Competencies Sciences (SC)

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Biology

Syllabus (Ctrl + click) BIOL112

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: BIOL111 - Anatomy and Physiology I

Course Learning Outcomes

The student will be able to:

	Outcome Examine the gross and microscopic anatomy of the human cardiovascular, urinary, respiratory and reproductive systems and understand the relationships between the various structures.
Name BIOL112 - CLO 1	

	Outcome Demonstrate comprehension and application of basic concepts regarding the anatomy & physiology of selected organ systems and tissues (hematology, cardiovascular system, immune system, urinary system, respiratory system, endocrine system, and reproductive system).
Name BIOL112 - CLO 2	

	Tags Scientific Knowledge and Reasoning (Science)
Name BIOL112 - CLO 3	
Outcome Employ the deductive reasoning logic utilized in the scientific method to analyze homeostatic mechanisms and to evaluate homeostatic imbalances involving the above organ systems and tissues. (SC)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (SC) Sciences

BIOL112LAB - Anatomy and Physiology II Lab

Course Information

Course Number 112LAB
Course Title (long) Anatomy and Physiology II Lab
Credit Hours Min: 0
Department(s) ~* Biology

BIOL125 - Introduction to Plants

Course Information

Course Number 125
Course Title (long) Introduction to Plants
Course Description This course is intended to meet a laboratory science requirement for the non-science major. The student will become familiar with the structure and function of plant roots, stems, leaves, flowers, fruits and seeds. An understanding of plant diversity develops through the study of plant evolution and classification. A variety of interesting plants native to various parts of the world will be observed and discussed with emphasis on their structure, growth requirements, propagation and ecological role in the natural landscape. Laboratory activities include greenhouse projects and several field trips. (Prerequisite: MATH-012, MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing).

Credit Hours

Min: 4

Billing Hours

Min: 4

General Education Competencies Sciences (SC)

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Biology

Syllabus (Ctrl + click) BIOL125

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Computation Fulfill ANY of the following requirements: Criteria 1 Earn a minimum grade of "C" in the following: Foundational Studies Requirement in Computation OR Criteria 2

OR: Satisfactory completion of the College's foundational studies requirement in computation.
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: <u>Foundational Studies Requirement in Reading</u> <i>Must be READ-095</i>
————— OR —————
Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in reading.
Foundational Studies Requirement in Writing Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Course Sets: <u>Foundational Studies Requirement in Writing</u>
————— OR —————
Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in writing.

Name BIOL125 - CLO 3	Outcome Identify, comprehend and compare the benefits, potential hazards and cost of horticultural supplies used by home gardeners.
Name BIOL125 - CLO 4	Outcome Demonstrate knowledge of plant evolution, classification and diversity.
Name BIOL125 - CLO 5	Outcome Describe the relationship between plant adaptations and survival.
Name BIOL125 - CLO 6	Outcome Use the scientific method of inquiry to gather and use information for the purposes of critical thinking, information analysis, and problem solving.
Name BIOL125 - CLO 7	Outcome Employ appropriate technology and resources to collect and interpret biological information and data.

Course Learning Outcomes

The student will be able to:

Name BIOL125 - CLO 1	Outcome Examine the gross and microscopic anatomy of roots, stems, leaves, flowers, fruits and seeds and understand the relationship between the various structures.
Name BIOL125 - CLO 2	Outcome Demonstrate comprehension of the relationship between different types of plants and how they are adapted to succeed.

BIOL126 - Exploring Biology: Cycles of Life

Course Information

Course Number
126

Course Title (long)
Exploring Biology: Cycles of Life

Course Description
Exploring Biology: Cycles of Life is a study of basic scientific principles and biological concepts for the non-science major. Topics include: scientific method, chemistry of life, cell structure and function, genetics, evolution, diversity of life and ecology. Topics are covered at an introductory level to provide students an overview of biological science and its relevance in the world. (Prerequisite: MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing).

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL126](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Computation](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in computation.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

Must be. READ-095

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

• [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in writing

Course Learning Outcomes

The student will be able to:

Name BIOL126 - CLO 1	Outcome Demonstrate application of basic biological concepts: properties of life; chemistry of life; cell structure & function; genetics; evolution and diversity of life; ecology
Name BIOL126 - CLO 2	Outcome Use the scientific method of inquiry to explore biological phenomena.
Name BIOL126 - CLO 3	Outcome Employ appropriate technology and resources to collect and interpret biological information and data.

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BIOL205 - Invertebrate Zoology

Course Information

Course Number
205

Course Title (long)
Invertebrate Zoology

Course Description
This course is designed for science majors. Through classroom and laboratory experiences, the student will demonstrate an understanding of taxonomy, morphology, structure, function and evolution of the various invertebrate phyla of animals. Laboratory experiences will include field collection, identification, taxonomy and description of fundamental anatomical traits found within representative phyla. NOTE: This course is offered only in the Fall term. (Prerequisite: A grade of "C" or higher in BIOL 102)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL205](#)

Course Requirements

No Requirements

BIOL206 - Vertebrate Zoology

Course Information

Course Number
206

Course Title (long)
Vertebrate Zoology

Course Description
This course is designed for the science major, pre-professional or advanced health science student. Through classroom and laboratory experiences, the student will demonstrate an understanding of the probable origins of, and be able to identify in detail, the anatomical characteristics of organisms of the phylum Chordata. Starting with the primitive Amphioxus and progressing to the complex mammals, the student will demonstrate an understanding of the ontogenic and phylogenic relationships of the three chordate subphyla and seven vertebrate classes. Laboratory experiences include detailed dissection of representative organisms. NOTE: This course is offered only in the Spring term.(Prerequisite: A grade of "C" or higher in BIOL 102 or BIOL 112)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL206](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
BIOL102 - General Biology II OR BIOL112 - Anatomy and Physiology II

Course Learning Outcomes

Name	Tags
BIOL206 - CLO 1	Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Information Literacy (Integrated Course Goal)

Outcome
The student will demonstrate an understanding of, and be able to identify in detail, the anatomical characteristics of members of the phylum Chordata. Beginning with the primitive Amphioxus and progressing to the complex mammals.
(Mathematical/Scientific Reasoning/ Information Literacy)

Name
BIOL206 - CLO 2

Outcome
The student will demonstrate an understanding of the ontogenic and phylogenic relationships of the three chordate subphyla and several vertebrate classes. (Mathematical/Scientific Reasoning/Information Literacy)

Tags
Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Information Literacy (Integrated Course Goal)

BIOL207 - Marine Biology

Course Information

Course Number
207

Course Title (long)
Marine Biology

Course Description
This course is designed for the student majoring in biology, marine studies or ecology. Through classroom and laboratory experiences, the student will be able to identify the environmental parameters of marine habitats and their effect on the distribution of marine flora and fauna. Students will collect and identify numerous representatives of local marine forms, both in the laboratory and field settings. The student will also demonstrate proficiency in the utilization of various types of equipment used to complete such tasks, and demonstrate knowledge of the anatomy, physiology and behavior of marine organisms. NOTE: This course is offered only in the Summer term. (Prerequisite: A grade of "C" or higher in BIOL-102)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL207](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- BIOL102 - General Biology II

BIOL208 - Ecology and Field Biology

Course Information

Course Number
208

Course Title (long)
Ecology and Field Biology

Course Description
This course is designed for science majors and for students enrolled in the Environmental and Earth Sciences Option. Through laboratory exercises and classroom experiences, the student will investigate and demonstrate an understanding of the processes regulating the distribution and abundance of living organisms. Topics include interactions among organisms and their environment, population ecology, community ecology, and the energy flow and trophic structure of ecosystems. Lecture, laboratory experiences and field trips are designed to introduce qualitative and quantitative methods for the measurement of factors and populations in field situations, procedures for recording and analyzing data, and coverage of current topics and trends in ecology. NOTE: This course is offered only in the Fall Term. (Prerequisites: A grade of C or higher in BIOL 102 and MATH 131; Corequisites: MATH 151 or MATH 152 or appropriate score on the CLM placement test)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL208](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Earn a minimum grade of "C" in the following: - BIOL102 - General Biology II - MATH131 - Statistics
Corequisite Type Corequisite Career Studies Enroll in the following Courses: - MATH151 - Intermediate Algebra - OR MATH152 - College Algebra & Trigonometry

Additional Comments:
OR:

- Appropriate score on the CLM placement test.

BIOL213 - Microbiology

Course Information

Course Number
213

Course Title (long)
Microbiology

Course Description
The biology of pathogenic micro-organisms will be stressed, emphasizing their microscopic and molecular aspects. Students will describe, in detail, the relationship existing between the host-parasite complex during the diseased state. They will also become acquainted with those characteristics which endow certain microbes with a pathogenic nature. Students will be able to list and characterize various pathogenic bacteria, viruses, fungi and protozoan parasites. Isolation and identification techniques in microbiology will be mastered by the student in the laboratory. The role of chemotherapy, immunology and serology used to combat pathogens will be examined thoroughly. Finally, the homeostatic defense mechanisms of the body, especially those against invading micro-organisms, will be discussed in great detail. (Prerequisite: A grade of "C" or higher in BIOL 102 or BIOL 112)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL213](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- BIOL102 - General Biology II

OR BIOL112 - Anatomy and Physiology II

Course Learning Outcomes

Name	Outcome
BIOL213 - CLO 1	Demonstrate knowledge of pathogenic microorganisms.

Justification (Mathematical/ScientificReasoning/ InformationLiteracy)

Name BIOL213 - CLO 2	Outcome Apply the scientific method in a laboratory research project in the isolation and identification of unknown microorganisms.
Justification (Mathematical/ScientificReasoning/ InformationLiteracy)	

Name BIOL213 - CLO 3	Outcome Demonstrate knowledge of how chemotherapy, immunology, and serology are used to combat pathogens.
Justification (Mathematical/ScientificReasoning/ InformationLiteracy)	

BIOL213LAB - Microbiology Lab

Course Information

Course Number
213LAB

Course Title (long)
Microbiology Lab

Credit Hours
Min:
0

Department(s) ~*
Biology

BIOL215 - Cell and Molecular Biology

Course Information

Course Number
215

Course Title (long)
Cell and Molecular Biology

Course Description
BIOL-215 is a 200 level course that will survey contemporary understandings of the cellular and molecular basis of living things and the biological laboratory techniques available to gain these insights. Topics include the structure and functioning of proteins, gene expression and regulation, recombinant DNA technology, cell signaling, cytoskeleton, cell reproduction, cell communities, stem cells and cancer. (Prerequisite(s): A grade of "C" or higher in BIOL-102 and CHEM-102). NOTE: This course is offered only in the Spring term.

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Syllabus (Ctrl + click)
[BIOL-215](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- BIOL102 - General Biology II
- CHEM102 - General Chemistry II

Name BIOL215 - CLO 1	Outcome Demonstrate comprehension of basic concepts in cell and molecular biology: Cellular ultrastructure; Protein structure and functioning; Genomics, gene technology and the molecular basics of genetics; Cell signaling; Cytoskeletal construction and action; Cellular reproduction; Cell communities, stem cells and cancer.

Name BIOL215 - CLO 2	Outcome Apply basic concepts in molecular biology to human health issues.

Name BIOL215 - CLO 3	Outcome Apply principles of the Scientific Method to discoveries in cell and molecular biology.

BIOL295 - Special Project-Biology

Course Information

Course Number
295

Course Title (long)
Special Project-Biology

Course Description
Students interested in pursuing a particular aspect of biology which extends beyond the scope of existing biology courses may develop a proposal, subject to the approval of a biology department faculty member.

Credit Hours

Min:
1

Max:
4

Department(s) ~*
Biology

Course Learning Outcomes

The student will be able to:

BIOL299 - Biology Internship

Course Information

Course Number
299

Course Title (long)
Biology Internship

Course Description
Students will work in an internship job related to biology and complete internship learning objectives under faculty supervision. Approval of instructor, Department Chairperson and Division Chairperson. (Prerequisite: A grade of "C" or higher in BIOL 102 or BIOL 112)

Credit Hours

Min:	Max:
1	6

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Biology

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- BIOL102 - General Biology II
- OR BIOL112 - Anatomy and Physiology II

BUSI105 - Introduction to Business

Course Information

Course Number
105

Course Title (long)
Introduction to Business

Course Description
In this survey course, the student will receive an overview of functional areas of business and learn the basic concepts of the business world. Some topics covered include management, managing human resources, labor relations, ethics and social responsibility, accounting, money and banking, securities and investments, marketing, and globalization. Upon completion of this course, students will understand the various forms of business ownership and the free enterprise system and how it contrasts with other systems. This course will assist the student in making career choices and will serve as an entry level foundation course. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI-105](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI105 - CLO 1	Outcome Identify the basic functions of business, economics, finance, management, and mark.
Name BUSI105 - CLO 2	Outcome Demonstrate an understanding of the basic Economic Systems of the world and how they compare.
Name BUSI105 - CLO 3	Outcome Identify and analyze historical and societal issues as they impact Business today.
Name BUSI105 - CLO 4	Outcome Develop an awareness of the need for cultural sensitivity and ethical behavior within the context of the contemporary, diverse, global community.
Name BUSI105 - CLO 5	Outcome Synthesize this information with their acquired understanding of Management, Entrepreneurship, Money and Banking, Securities and Investment, Marketing, and communicate their understanding of these through written and/or spoken form.

BUSI116 - Money Management and Personal Finance

Course Information

Course Number
116

Course Title (long)
Money Management and Personal Finance

Course Description
The student will design and utilize a personal budget, create and evaluate a savings, investment, insurance and retirement program. The student will be able to use credit judiciously and make rational decisions in utilizing his purchasing power. In addition, the student will be able to identify the basic elements of will and estate planning. The student will have the opportunity to utilize current, user-friendly computer software and instructor-created exercises to apply the above concepts to their personal financial situation. Field trips may be required. NOTE: Offered only in the Spring term.(Prerequisite: MATH-012, MATH-015 or satisfactory completion of the College's foundational studies requirement in computation)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Foundational Studies Requirement in Computation
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Computation
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in computation.

Course Learning Outcomes

Upon completion of the course students will be able to:

Name BUSI116 - CLO 1	Outcome Take a practical, hands-on approach to financial planning the student will learn how to spend and save money as well as demonstrate personal management skills.

Name BUSI116 - CLO 2	Outcome Examine real life financial concepts and be able to think clearly, critically, and creatively to analyze information, identify solutions, make logical decisions and solve problems.

Name BUSI116 - CLO 3	Outcome Use computer systems and other appropriate forms of technology, such as the Internet, to learn how to achieve professional, educational, and personal objectives in financial management.

Name BUSI116 - CLO 4	Outcome Use basic mathematical skills and methods to organize financial information, analyze, interpret and communicate the results within the context of practical financial and money management applications.

Name BUSI116 - CLO 5	Outcome Understand how career management and education can determine income level and the help achieve one's desired standard of living.

BUSI129 - Introduction to the Music Business

Course Information

Course Number
129

Course Title (long)
Introduction to the Music Business

Course Description
This course will introduce students to a broad overview of the music business including the basic principles of marketing, publishing, licensing, distributing, selling and promoting music. Students will explore the impact of technology and electronic transmission of music. This course will guide both musicians and non-musicians through identifying essential business management skills needed to pursue a career in the music industry. (Knowledge of Microsoft WORD and Powerpoint is recommended)

Credit Hours

Min:
3

Billing Hours

Min:
3

Department(s) ~*
Business Management

Syllabus (Ctrl + click)
[BUSI129](#)

BUSI145 - Fundamentals of Finance

Course Information

Course Number
145

Course Title (long)
Fundamentals of Finance

Course Description
This course will give our students a competitive advantage in the professional world of Business. Students will gain insight in: Financial Basics, Money Management Skills, Financial Services, Consumer Credit and Bloomberg Market Concepts. Estimated time to complete the Bloomberg Market Concepts module is between 10-12 hours outside of class time and a field trip to the Bloomberg Office in NYC.

Upon successful completion of this course students will have obtained proficiency in the basic core concepts of finance and also the Bloomberg certification of Basic Specialist. Upon achieving this status, prospective employers will know that students have achieved a high level of competency in using the Bloomberg terminals which will enhance their job performance.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI-145](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

BUSI105 - Introduction to Business

OR

Criteria 2

OR:

Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI145 - CLO 1	Outcome Understand basic concepts to effectively recognize financial activity in real time.
Name BUSI145 - CLO 2	Outcome Analyze financial information to examine current situations, make logical decisions, identify solutions and solve problems.
Name BUSI145 - CLO 3	Outcome Utilize the Bloomberg terminal and other appropriate forms of technology, such as the Internet, to analyze and evaluate areas of the financial market such as economic indicators, equities, fixed income, and currencies.
Name BUSI145 - CLO 4	Outcome Apply basic mathematical skills and methods to organize financial information, analyze, interpret, and communicate the results within the context of practical financial and money management applications.
Name BUSI145 - CLO 5	Outcome Utilize the Bloomberg terminal for completion of the Bloomberg Market Concepts elearning course earning Bloomberg Market Concepts certification.
Name BUSI145 - CLO 6	Outcome Create a portfolio of financial assets to demonstrate understanding of financial information.

BUSI205 - Principles of Management

Course Information

Course Number
205

Course Title (long)
Principles of Management

Course Description
The student will develop an insight into the basic concepts, functions and techniques of administrative management. The student will obtain specific knowledge of how to manage the planning, organizing, leading and controlling that is involved in any type of organization. Upon completion of the course, the student will have an understanding of the principles of good management.(Prerequisite: BUSI-105 or permission of instructor or HOSP-105 Introduction to Hospitality Management for Hospitality Management AS majors only)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management
Syllabus (Ctrl + click) BUSI-205		

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

BUSI105 - Introduction to Business

OR

Criteria 2

OR:

Permission of instructor.

Hospitality Management AS Majors Only

Complete ALL of the following Courses:

HOSP105 - Introduction to Hospitality Management

**Introduction to Hospitality Management for Hospitality Management AS majors only.*

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI205 - CLO 1	Outcome Identify and analyze the historical and societal issues that have impacted the evolution of the concepts and theories of management.
Name BUSI205 - CLO 2	Outcome Demonstrate an understanding of planning, organizing, leading, decision-making, and controlling.
Name BUSI205 - CLO 3	Outcome Synthesize this information to analyze, identify solutions, and make logical decisions when solving Business case studies.
Name BUSI205 - CLO 4	Outcome Communicate their understanding of the subject matter through written and spoken form.
Name BUSI205 - CLO 5	Outcome Demonstrate practical team/ interpersonal skills.

BUSI206 - Supervisory Managment

Course Information

Course Number
206

Course Title (long)
Supervisory Managment

Course Description
The student will use management theories, concepts principles and techniques as a foundation for acquiring an expanded knowledge of how to manage and supervise resources. This expanded knowledge of management will be applied in classroom case studies and practical exercises involving analysis and development of workable solutions to supervisory problems. It is recommended that you take BUSI-205 before BUSI-206. NOTE: This course is offered only in the Spring term. (Prerequisite: BUSI-105 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI-206](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

BUSI105 - Introduction to Business

OR

Criteria 2

OR:

Permission of instructor.

Name BUSI206 - CLO 1	Outcome Students will develop a practical knowledge of management theories, concepts, principles, guidelines, and techniques and then apply them to classroom case studies and practical exercises by analyzing information and developing workable solutions to supervisory and employee problems.
Name BUSI206 - CLO 2	Outcome Students will use their understanding of the need for cultural sensitivity and ethical behavior within the context of the contemporary, diverse, global workplace to enhance their decisions.
Name BUSI206 - CLO 3	Outcome Students will identify and analyze historical and societal issues and how they impact their decisions.
Name BUSI206 - CLO 4	Outcome Communicate their understanding of the subject matter through written and spoken form.
Name BUSI206 - CLO 5	Outcome Develop practical team/interpersonal skills.

Course Learning Outcomes

Upon completion of this course, students will be able to:

BUSI221 - Business Law I

Course Information

Course Number
221

Course Title (long)
Business Law I

Course Description
The student will identify, define and describe contracts, agency, employment, wills, bailment, personal and real property.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI-221](#)

Name	Outcome
BUSI221 - CLO 5	Incorporate principles of diversity, multiculturalism and equal opportunity into paralegal practice

Name	Outcome
BUSI221 - CLO 6	Demonstrate ethical and professional decision-making using critical thinking skills.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
BUSI221 - CLO 1	Apply principles from humanities, social science, business, math and science to paralegal practice.

Name	Outcome
BUSI221 - CLO 2	Practice within the rules of professional conduct governing lawyers and legal assistants in the delivery of legal services.

Name	Outcome
BUSI221 - CLO 3	Apply substantive knowledge in contract law.

Name	Outcome
BUSI221 - CLO 4	Apply knowledge of federal and state court systems.

BUSI222 - Business Law II

Course Information

Course Number
222

Course Title (long)
Business Law II

Course Description
The student will identify, define and describe sales, security devices, partnerships, corporations, commercial paper and bankruptcy.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI-222](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI222 - CLO 1	Outcome Demonstrate an ability to identify the requirements of commercial transactions and apply them in the legal and general business world.
Name BUSI222 - CLO 2	Outcome Examine concepts and principles of business law procedures.
Name BUSI222 - CLO 3	Outcome Generate documents concerning the formation of all types of basic commercial organizations including partnerships and Corporations utilizing computer applications.
Name BUSI222 - CLO 4	Outcome Demonstrate ethical and professional responsibility in business law legal settings.

Name BUSI222 - CLO 5	Outcome Recognize the role of the paralegal in the business law setting.
Name BUSI222 - CLO 6	Outcome Interpretation of statutes, case law, and court rules pertaining to the business law practice.
Name BUSI222 - CLO 7	Outcome Examine concepts to identify the requirements of business contracts pertaining to the Uniform Commerce Code and how businesses deal with business.

BUSI231 - Human Resource Management

Course Information

Course Number
231

Course Title (long)
Human Resource Management

Course Description
Students will recognize the basic terminology of Human Resource Management. They will identify the functional areas of HRM including job analysis, recruitment, selection, orientation, training, performance appraisal, benefits, labor relations, employee health and safety and diversity management. Students will identify the major elements of a Human Resource manual, perform a job analysis and construct a job description and job specification. Students will utilize basic computer software and internet to manage their course projects. They will practice communication skills necessary to perform Human Resource Management functions. NOTE: This course is offered only in the Fall term. (Prerequisite: BUSI 105 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Business Management

Syllabus (Ctrl + click)
[BUSI-231](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

BUSI105 - Introduction to Business

OR

Criteria 2

OR:

Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI231 - CLO 1	Outcome Identify the significant concepts and related terminology of the functional areas of Human Resource Management.
Name BUSI231 - CLO 2	Outcome Demonstrate an understanding of the strategic advantage achieved by developing and implementing various Human Resource Management activities.
Name BUSI231 - CLO 3	Outcome Have the ability to formulate the learned HRM theories into practical applications.
Name BUSI231 - CLO 4	Outcome Synthesize this information to analyze, identify solutions, and make logical decisions when solving business case studies as related to HR practices.
Name BUSI231 - CLO 5	Outcome Communicate their understanding of the subject matter through written and spoken form.
Name BUSI231 - CLO 6	Outcome Develop practical team/interpersonal skills.

BUSI241 - Entrepreneurship

Course Information

Course Number
241

Course Title (long)
Entrepreneurship

Course Description
Entrepreneurship will provide students with a solid foundation in terms of the vital role played by entrepreneurs and entrepreneurship in the 21st century global economy. Students will learn major considerations faced by an individual planning to start and run a small business venture. This course will cover the nature of self-employment, forms of ownership, franchising, financial planning, sources of capital, small business, accounting/ bookkeeping/ taxes, choosing a location, federal requirements and state regulations and business law as it relates to small business. NOTE: This course is only offered in the Spring term. (Prerequisite: BUSI-105 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI-241](#)

Upon completion of this course, students will be able to:

Name BUSI241 - CLO 1	Outcome Recognize and develop entrepreneurial potential and opportunities.
Name BUSI241 - CLO 2	Outcome Identify the legal and ethical issues affecting small businesses globally.
Name BUSI241 - CLO 3	Outcome Develop a Feasibility Study that focuses on sustainability.
Name BUSI241 - CLO 4	Outcome Demonstrate an understanding of planning, organizing, leading, decision-making, mathematical models, financing resource options, and controlling within an entrepreneurial framework.
Name BUSI241 - CLO 5	Outcome Construct a Business Plan.

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

BUSI105 - Introduction to Business

OR

Criteria 2

OR:

Permission of instructor.

Course Learning Outcomes

BUSI245 - Project Management

Course Information

Course Number
245

Course Title (long)
Project Management

Course Description
The student will apply the main tools and techniques of project management, following the Project Management Body of Knowledge (PMBOK) standards advocated by the Project Management Institute (PMI). During class students will learn the principle of project management and develop and demonstrate their acquisition of those skills through homework and projects. (Prerequisites: READ-095 or satisfactory completion of the College's foundational studies requirement in reading and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI245](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• Foundational Studies Requirement in Reading

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

• Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI245 - CLO 1	Outcome Recognize and develop entrepreneurial potential and opportunities.
Name BUSI245 - CLO 2	Outcome Become familiar with project management concepts.
Name BUSI245 - CLO 3	Outcome Understand how projects are identified and selected.
Name BUSI245 - CLO 4	Outcome Define a project and develop a project proposal.
Name BUSI245 - CLO 5	Outcome Describe the phases of the project life cycle.
Name BUSI245 - CLO 6	Outcome Define the scope and activity sequence of a project.
Name BUSI245 - CLO 7	Outcome Determine costs, budget, and earned value of the project.
Name BUSI245 - CLO 8	Outcome Identify the responsibilities of a project manager and how teams are assigned and formed.

Name BUSI245 - CLO 9	Outcome Become familiar with the different project management organizational structures.

BUSI246 - Principles of Supply Chain Management

Course Information

Course Number
246

Course Title (long)
Principles of Supply Chain Management

Course Description
Supply chain management deals with coordinating and controlling processes in the network of interconnected businesses that work together to provide a product or service to customers. This course will provide students with an overview of the major components of global supply chain management, the linkages and interactions of these components, and key issues that arise in managing supply chains. The course is designed to provide students with an understanding of the complexities of the concepts and challenges of supply chain management. (Prerequisites: BUSI-105 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Business Management
Syllabus (Ctrl + click) BUSI246		

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- BUSI105 - Introduction to Business

OR

Criteria 2

OR:

- Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI246 - CLO 1	Outcome Identify basic supply chain concepts, including strategy, logistics, distribution, and transportation, to create and manage an effective supply chain.
Name BUSI246 - CLO 2	Outcome Describe international sourcing and the potential vulnerabilities and risks.
Name BUSI246 - CLO 3	Outcome Determine the process by which organizations analyze supply and demand, plan, and control to increase the operational efficiencies of a supply chain.
Name BUSI246 - CLO 4	Outcome Apply various analytical techniques, including forecasting and financial analysis, to solve supply chain-related problems.

BUSI251 - Global Business

Course Information

Course Number
251

Course Title (long)
Global Business

Course Description
In this course, the student will study the nature, mechanics and functional management aspects of international business. The student will also survey the economic, financial and cultural environments in which international business operates. NOTE: This course is offered only in the Fall term. (Prerequisite: BUSI-105 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI-251](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Courses: - BUSI105 - Introduction to Business OR Criteria 2 OR: - Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI251 - CLO 1	Outcome Demonstrate an understanding of business in different cultures, product differentiation, and the impact of geography on business practices.
Name BUSI251 - CLO 2	Outcome Develop an awareness of cultural sensitivity within the context of the contemporary and diverse global community by studying business practices in different international environments.
Name BUSI251 - CLO 3	Outcome Understand how managers deal with the different forces affecting international business.
Name BUSI251 - CLO 4	Outcome Identify and analyze historical and societal issues as they impact current and future trends, such as the emergence of European trading blocs and the international monetary system and the effect of the Internet on International business.
Name BUSI251 - CLO 5	Outcome Demonstrate the ability to take this information and think clearly, critically, and creatively to analyze data, identify solutions, make logical decisions to solve business globalization problems, and report their findings clearly and effectively in written and spoken form.

BUSI295 - Special Project - Management

Course Information

Course Number 295	Course Title (long) Special Project - Management	Course Description Students may choose to specialize or investigate some area in greater depth by selecting 1-3 credits in this individual learning course for the major. (Prerequisite: BUSI 105 and/or permission of instructor)

Credit Hours

Min: 1	Max: 3	School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Business Management

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Courses: - BUSI105 - Introduction to Business OR Criteria 2 OR: - Permission of instructor.

BUSI298 - Management Analysis - Capstone Seminar

Course Information

Course Number
298

Course Title (long)
Management Analysis - Capstone Seminar

Course Description
Students will analyze the development of long-term strategic goals and their implementation in the form of Strategic, Tactical, and Operational plans. Students will utilize their course knowledge in economics, management, human resource management, ethics and social responsibility, money and banking, business ownership, marketing, accounting, global business and computer applications in business by examining actual case studies from the business world. Students will draw their own conclusions and defend them in order to have an opportunity to apply what they have learned in their study of Business Administration. NOTE: This course is offered only in the Spring term. (Prerequisites: A grade of 'C' or higher in BUSI-105, BUSI-205, BUSI-231, and BUSI- 251)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Syllabus (Ctrl + click)
[BUSI298](#)

Course Requirements

No Requirements

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name BUSI298 - CLO 1	Outcome Students will synthesize management information to analyze, identify solutions, and make logical decisions when solving case studies.
Name BUSI298 - CLO 2	Outcome Students will conduct research from various business sources, including, if required by the Instructor, field trips to supplement their solutions.

Name BUSI298 - CLO 3	Outcome Students will work in individual and self-directed work teams to determine the development and presentation of solutions in the business environment.

Name BUSI298 - CLO 4	Outcome Students will communicate their understanding of the subject matter through written and spoken form.

BUSI299 - Business Internship

Course Information

Course Number
299

Course Title (long)
Business Internship

Course Description
The student will work in a job related to his or her program, participate in programs on campus and complete an internship workbook based on the work experience gained. (Prerequisites: 6 credits of career studies and permission of instructor and Career Services Representative)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Business Management

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ALL of the following requirements:

Criteria 1

Earn at least 6 credits

AND

Criteria 2

AND:

- Permission of instructor and Career Services Representative.

CADD121 - Engineering Graphics with CAD

Course Information

Course Number
121

Course Title (long)
Engineering Graphics with CAD

Course Description
This course will provide the student with a complete engineering graphics curriculum utilizing freehand sketching, manual/board drafting and Computer-Aided Drafting. The topics will include graphic size and shape development, orthographic projection, sectional and auxiliary views, dimensioning and tolerancing, fasteners and the preparation of a set of working drawings.

Credit Hours

Min:
3

Billing Hours

Min:
3

Department(s) ~*
Engineering & Technology

CADD225 - 3D Architectural CAD

Course Information

Course Number
225

Course Title (long)
3D Architectural CAD

Course Description
The student will be presented with a comprehensive course in 3D Architecture. The student will acquire the skills necessary to create photorealistic images, animations and construction documents. The assignments will focus on typical interior design and architectural applications. Students will create buildings in 3D using a dedicated 3D architectural package. Integrated and object-oriented 3D CAD is becoming the mainstream design and documentation tool for architectural practices. Traditional drafting-based systems are being phased out in favor of 3D model-based solutions. NOTE: This course is offered only in the Summer term. (Prerequisites: Any CADD course or computer literacy)

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Engineering & Technology

Syllabus (Ctrl + click)
[CADD225](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- CADD121 - Engineering Graphics with CAD

OR

Criteria 2

OR:

- Computer literacy.

CHEM100 - Principles of Chemistry

Course Information

Course Number
100

Course Title (long)
Principles of Chemistry

Course Description
The student will be able to identify and interpret the basic concepts of inorganic chemistry including electronic structure of atoms, periodic behavior, compound formation, quantitative relationships between elements, compounds and equations, states of matter, acids and bases. The course is for students who have never had chemistry and who wish to continue into CHEM 101.(Prerequisite: MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Chemistry

Syllabus (Ctrl + click)
[CHEM100](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Algebra](#)

Must be MATH-025

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in algebra.

Course Learning Outcomes

Name CHEM100 - CLO 1	Tags Critical Thinking
Outcome Utilize critical thinking skills to learn fundamental concepts from basic inorganic, chemistry (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)	

Name CHEM100 - CLO 2	Tags Critical Thinking
Outcome Use the scientific method to perform chemistry-based problem solving. Reinforcement of chemical concepts will be made as hands-on skills are developed in the laboratory program(Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)	

Name CHEM100 - CLO 3	Tags Critical Thinking
Outcome Solve quantitative problems dealing with conversions(Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)	

Name CHEM100 - CLO 4	Tags Critical Thinking
Outcome Analyze the structure of the atom (Critical Thinking)	

Name CHEM100 - CLO 5	Tags Critical Thinking
Outcome Differentiate between the various types of chemical reactions(Critical Thinking, Problem Solving Competency)	

CHEM100LAB - Principles of Chemistry Lab

Course Information

Course Number
100LAB

Course Title (long)
Principles of Chemistry Lab

Credit Hours

Min:
0

Department(s) ~*
Chemistry

CHEM101 - General Chemistry I

Course Information

Course Number
101

Course Title (long)
General Chemistry I

Course Description
The student will investigate the fundamental concepts of chemistry from a theoretical approach and participate in a laboratory program that demonstrates this theory. The subjects covered include atomic structure, chemical bonding, acids and bases, gases, solids and liquids and properties of solutions. The course content is designed for the science major who wishes to transfer to a four-year institution. (Prerequisites: HS Chemistry or a grade of "C" or higher in CHEM 100 or equivalent, and a grade of "C" or higher in MATH 151)

Credit Hours
Min:
5

Billing Hours
Min:
5

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Chemistry

Syllabus (Ctrl + click)
[CHEM101](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
General Education Earn a minimum grade of "C" in the following: MATH151 - Intermediate Algebra
Career Studies Fulfill ANY of the following requirements: Criteria 1 Earn a minimum grade of "C" in the following: - CHEM100 - Principles of Chemistry OR Criteria 2 OR: - HS Chemistry

OR
Criteria 3 OR: Equivalent.

Course Learning Outcomes

Name CHEM101 - CLO 1	Tags Critical Thinking
Outcome Utilize critical thinking skills to learn fundamental chemical concepts from inorganic chemistry. (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)	

Name CHEM101 - CLO 2	Tags Critical Thinking
Outcome Use the scientific method to perform chemistry-based problem-solving. (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)	

Name CHEM101 - CLO 3	Tags Critical Thinking
Outcome Reinforcement of chemical concepts will be made as hands-on skills are developed in the laboratory program. (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)	

Name CHEM101 - CLO 4	Tags Critical Thinking
Outcome . Identify unknown compounds based on observed physical properties (Critical Thinking)	

Name CHEM101 - CLO 5	Tags Critical Thinking
Outcome . Describe how chemical reactions proceed (Critical Thinking, Problem Solving Competency)	

Name CHEM101 - CLO 6	Tags Critical Thinking
Outcome Run successful titration experiments (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)	

Name CHEM101 - CLO 7	Tags Critical Thinking
Outcome Analyze atomic spectra (Critical Thinking, Problem Solving Competency)	

CHEM101LAB - General Chemistry I Lab

Course Information

Course Number
101LAB

Course Title (long)
General Chemistry I Lab

Credit Hours

Min:
0

Department(s) ~*
Chemistry

CHEM102 - General Chemistry II

Course Information

Course Number
102

Course Title (long)
General Chemistry II

Course Description

A continuation of CHEM 101, the student will investigate the areas of kinetics, equilibrium, nuclear reactions, thermochemistry, electrochemistry, carbon chemistry and transition metal and organic chemistry using a problem solving approach to bring about understanding. (Prerequisite: MATH-151 and a grade of "C" or higher in CHEM-101)

Credit Hours

Min:
5

Billing Hours

Min:
5

General Education Competencies

Sciences (SC)

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Chemistry

Syllabus (Ctrl + click)
[CHEM102](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Complete ALL of the following Courses: MATH151 - Intermediate Algebra
Career Studies II Earn a minimum grade of "C" in the following: CHEM101 - General Chemistry I

Course Learning Outcomes

Name CHEM102 - CLO 1	Tags Critical Thinking
Outcome Utilize critical thinking skills to learn fundamental chemical concepts from inorganic chemistry. (Critical Thinking)	

Name CHEM102 - CLO 2	Tags Critical Thinking
Outcome Perform chemistry-based problem solving. Reinforcement of chemical concepts will be made as hands-on skills are developed in the laboratory program. (Critical Thinking, Problem Solving, Mathematical Skills Competency)	

Name CHEM102 - CLO 3	Outcome Determine the speeds at which reactions take place. (Mathematical Skills Competency, Problem Solving Competency)

Name CHEM102 - CLO 4	Outcome . Calculate the pH at different points of a titration (Mathematical Skills Competency, Problem Solving Competency)

Name CHEM102 - CLO 5	Tags Critical Thinking
Outcome .Determine the enthalpy and entropy of a reaction (Critical Thinking, Problem Solving, Mathematical Skills Competency)	

Name CHEM102 - CLO 6	Tags Critical Thinking
Outcome Name organic compounds (Critical Thinking, Problem Solving)	

Name CHEM102 - CLO 7	Tags Critical Thinking
Outcome Write nuclear reactions (Critical Thinking, Problem Solving)	

CHEM102LAB - General Chemistry II Lab

Course Information

Course Number
102LAB

Course Title (long)
General Chemistry II Lab

Credit Hours

Min:
0

Department(s) ~*
Chemistry

CHEM116 - Chemistry in Life

Course Information

Course Number
116

Course Title (long)
Chemistry in Life

Course Description

This chemistry course for non-science majors will focus on the role chemistry plays in maintaining and improving our quality of life. Topics include environmental issues such as air pollution, acid rain and recycling; the study of energy sources including nuclear power; and health issues such as nutrition and world hunger. The accompanying lab involves the study of common items found in everyday life. (Prerequisite: MATH-012, MATH-015 or satisfactory completion of the College's foundational studies requirement in computation)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies

Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Chemistry

Syllabus (Ctrl + click)
[CHEM116](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Computation Fulfill ANY of the following requirements:
Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Computation
OR
Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in computation.

Name CHEM116 - CLO 1	Outcome Utilize critical thinking skills to learn fundamental concepts from chemistry found in everyday life.

Name CHEM116 - CLO 2	Outcome Perform chemistry-based problem solving. Reinforcement of chemical concepts will be made as hands-on skills are developed in the laboratory program including use of common chemistry glassware, a pH meter, a Geiger counter, an infrared spectrometer, and a UV/Vis spectrophotometer.

Name CHEM116 - CLO 3	Outcome Utilize risk assessment and understand its global importance.

Name CHEM116 - CLO 4	Outcome Analyze the effect humans have had on the environment through studies of global warming, the ozone hole, air pollution, and water pollution.

Name CHEM116 - CLO 5	Outcome Categorize and distinguish the labels placed on food packaging.

Name CHEM116 - CLO 6	Outcome Analyze the different methods of energy generation and their impact on the environment.

Name CHEM116 - CLO 7	Outcome Research one topic from the course in depth and write a paper or present your research.

Course Learning Outcomes

CHEM116LAB - Chemistry in Life Lab

Course Information

Course Number

116LAB

Course Title (long)

Chemistry in Life Lab

Credit Hours

Min:

0

Department(s) ~*

Chemistry

CHEM117 - Introduction to Marine Chemistry

Course Information

Course Number

117

Course Title (long)

Introduction to Marine Chemistry

Course Description

Lecture, field and laboratory work all focus on analyzing the normal cycles that occur in the marine environment throughout the year and how environmental pollution effects these cycles. Laboratory work will focus on learning techniques that will then be applied to analyzing the actual conditions present in our local marine waters. NOTE: This course is offered only in the Summer term.

(Prerequisite: CHEM-100 or high school chemistry)

Credit Hours

Min:

4

Billing Hours

Min:

4

School

School of STEAM

Division

Division of Arts, Design,
Science & Technology

Department(s) ~*

Chemistry

Syllabus (Ctrl + click)

[CHEM117](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1 Complete ALL of the following Courses: CHEM100 - Principles of Chemistry
OR
Criteria 2 OR: High School Chemistry.

CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry

Course Information

Course Number
136

Course Title (long)
Introduction to Inorganic, Organic and Biological Chemistry

Course Description
The student will consider selected concepts from inorganic, organic and biological chemistry which will be applied to allied health and biological fields. Skills will be developed in a laboratory program which enhances topics under consideration. The program is designed for students who have had no previous chemistry course. (Prerequisite(s): MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Chemistry

Syllabus (Ctrl + click)
[CHEM-136](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Computation](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in computation.

Course Learning Outcomes

Name	Tags
CHEM136 - CLO 1	Critical Thinking

Outcome
Utilize critical thinking skills to learn fundamental concepts from inorganic, organic, and biological chemistry (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)

Name	Tags
CHEM136 - CLO 2	Critical Thinking

Outcome
Perform chemistry-based problem solving. Reinforcement of chemical concepts will be made as hands-on skills are developed in the laboratory program (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)

Name	Tags
CHEM136 - CLO 3	Critical Thinking

Outcome
Demonstrate proper measurement techniques (Critical Thinking)

Name	Tags
CHEM136 - CLO 4	Critical Thinking

Outcome
Convert between metric and English units (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)

Name	Tags
CHEM136 - CLO 5	Critical Thinking

Outcome
. Identify components of an IV bag and prove charge balance exists between electrolytes (Critical Thinking, Mathematical Skill Competency, Problem Solving Competency)

Name	Tags
CHEM136 - CLO 6	Critical Thinking

Outcome

Identify differences between organic functional groups like alcohols, aldehydes, ketones, carboxylic acids, and esters (Critical Thinking, Problem Solving Competency)

Name

CHEM136 - CLO 7

Tags

Critical Thinking

Outcome

Describe differences between carbohydrates, peptides, and proteins (Critical Thinking, Problem Solving Competency)

CHEM136LAB - Inorganic, Organic & Biological Chemistry Lab

Course Information

Course Number

136LAB

Course Title (long)

Inorganic, Organic & Biological Chemistry Lab

Credit Hours

Min:

0

Department(s) ~*

Chemistry

CHEM203 - Organic Chemistry I

Course Information

Course Number

203

Course Title (long)

Organic Chemistry I

Course Description

Students will apply many concepts from general chemistry to a study of organic chemistry. They will be able to name, draw, predict products, interpret spectra for, synthesize and explain reaction mechanisms for hydrocarbons and halogenated hydrocarbons, alcohols, ethers and epoxides. The stereo-chemistry of compounds and reactions will be studied. Labs will emphasize preparation, isolation and identification of organic compounds using modern laboratory instrument techniques. (Prerequisite: A grade of "C" or higher in CHEM 102)

Credit Hours

Min:

5

Billing Hours

Min:

5

School

School of STEAM

Division

Division of Arts, Design, Science & Technology

Department(s) ~*

Chemistry

Syllabus (Ctrl + click)

[CHEM203](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- CHEM102 - General Chemistry II

Course Learning Outcomes

Name

CHEM203 - CLO 1

Outcome

Utilize the scientific critical thinking, informational & technical literacy and mathematical skills learned in general chemistry to explain concepts and problem solve in organic chemistry.

Name CHEM203 - CLO 2	Outcome Draw structures, provide IUPAC names, and describe classical preparation and reactions of the following functional groups: Alkanes, alkenes, alkyl halides, alcohols, ethers, and epoxides.

Name CHEM203 - CLO 3	Outcome Develop spatial reasoning skills using models to visualize, draw, and analyze the stereochemistry of organic compounds.

Name CHEM203 - CLO 4	Outcome Analyze the infrared, nuclear magnetic, and mass spectra to determine the identity of compounds.

Name CHEM203 - CLO 5	Outcome Prepare and isolate organic compounds using common laboratory techniques.

CHEM203LAB - Organic Chemistry I Lab

Course Information

Course Number
203LAB

Course Title (long)
Organic Chemistry I Lab

Credit Hours

Min:
0

Department(s) ~*
Chemistry

CHEM204 - Organic Chemistry II

Course Information

Course Number
204

Course Title (long)
Organic Chemistry II

Course Description
A continuation of CHEM 203, students will extend their studies into topics including aromatic hydrocarbons, amines, carboxylic acid, aldehyde, ketone and carbanion chemistry. (Prerequisite: A grade of "C" or higher in CHEM 203)

Credit Hours

Min:
5

Billing Hours

Min:
5

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Chemistry

Syllabus (Ctrl + click)
[CHEM204](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: CHEM203 - Organic Chemistry I

Course Learning Outcomes

Name CHEM204 - CLO 1	Outcome Utilize the scientific critical thinking, informational & technical literacy and mathematical skills learned in general chemistry to explain concepts and problem solve in organic chemistry.

Name CHEM204 - CLO 2	Outcome Draw structures, provide IUPAC names, and describe classical preparation, reactions, and mechanisms for the following functional groups: alkynes, conjugated alkenes, aromatic hydrocarbons, carboxylic acids and their derivatives, carbanion chemistry, amines.
Name CHEM204 - CLO 3	Outcome Develop spatial reasoning skills using models to visualize, draw, and analyze the stereochemistry of organic compounds.
Name CHEM204 - CLO 4	Outcome Analyze the infrared, nuclear magnetic, and mass spectra to determine the identity of compounds.
Name CHEM204 - CLO 5	Outcome Prepare and isolate organic compounds using common laboratory techniques, employ qualitative analysis to help identify functional groups, and introduce students to primary literature.

CHEM204LAB - Organic Chemistry II Lab

Course Information

Course Number
204LAB

Course Title (long)
Organic Chemistry II Lab

Credit Hours

Min:
0

Department(s) ~*
Chemistry

CHEM235 - Fundamentals of Organic and Biological Chemistry

Course Information

Course Number
235

Course Title (long)
Fundamentals of Organic and Biological Chemistry

Course Description

Students will be able to name, draw, predict products and write reaction mechanisms for organic compounds. Organic concepts will be extended to carbohydrates, lipids and protein structure, digestion and metabolism, with emphasis on understanding life processes. Laboratory skills will be developed, enhancing textbook coverage, and will include applications of polarimetry, titrimetry, chromatography and ultraviolet and visible spectroscopy. (Prerequisite: HS Chemistry or a grade of "C" or higher in CHEM 100 or equivalent)

Credit Hours

Min:
5

Billing Hours

Min:
5

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Chemistry

Syllabus (Ctrl + click)
[CHEM235](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite									
Career Studies Fulfill ANY of the following requirements:									
<table> <tr> <td> Criteria 1 Earn a minimum grade of "C" in the following: - CHEM100 - Principles of Chemistry </td> <td>OR</td> <td></td> </tr> <tr> <td> Criteria 2 OR: - HS Chemistry </td> <td>OR</td> <td></td> </tr> <tr> <td> Criteria 3 </td> <td></td> <td></td> </tr> </table>	Criteria 1 Earn a minimum grade of "C" in the following: CHEM100 - Principles of Chemistry	OR		Criteria 2 OR: HS Chemistry	OR		Criteria 3		
Criteria 1 Earn a minimum grade of "C" in the following: CHEM100 - Principles of Chemistry	OR								
Criteria 2 OR: HS Chemistry	OR								
Criteria 3									

OR:

- Equivalent.

CHEM236 - Biochemistry

Course Information

Course Number

236

Course Title (long)

Biochemistry

Course Description

Upon completion of this course the student will be able to recognize and draw the structure and state the nature of the biochemicals important to life (carbohydrates, lipids and proteins), describe in detail the metabolic pathways that generate them and release energy from them. The student will also be able to describe and draw the structure of the gene molecules (RNA & DNA) and describe their metabolism and their role in protein synthesis. Basic concepts will be reinforced with appropriate laboratory experiences. (Prerequisite: CHEM 136 or CHEM 235 or CHEM 203 or equivalent)

Credit Hours

Min:

5

Billing Hours

Min:

5

School

School of STEAM

Division

Division of Arts, Design,
Science & Technology

Department(s) ~*

Chemistry

Syllabus (Ctrl + click)

[CHEM236](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ANY of the following Courses:

- CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
- CHEM203 - Organic Chemistry I
- CHEM235 - Fundamentals of Organic and Biological Chemistry

OR

Criteria 2

OR:

- Equivalent.

CHEM294 - Independent Chemistry Research

Course Information

Course Number

294

Course Title (long)

Independent Chemistry Research

Course Description

Students engage in independent research under the direction of a faculty mentor. This course is an opportunity for approved students to conduct scientific experiments in a research laboratory. Students will spend 180-270 hours in a research laboratory supervised by a faculty member. Students will be paired with a research mentor and will engage in research activities to support the mentor's ongoing research projects. Special permission from chemistry department chair is required. Students are required to take CHEM 295 for a minimum of 1 credit as a corequisite to this course to support an introduction to literature research and a final presentation of the research project. (Prerequisite: A grade of "C" or higher in CHEM-101 and permission of Chemistry Department Chair; Corequisite: CHEM-295)

Credit Hours

Min:

4

Max:

6

School

School of STEAM

Division

Division of Arts, Design,
Science & Technology

Department(s) ~*

Chemistry

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- CHEM101 - General Chemistry I

AND

Criteria 2

AND:

- Permission of Chemistry Department Chair.

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- CHEM295 - Special Project - Chemistry

CHEM295 - Special Project - Chemistry

Course Information

Course Number

295

Course Title (long)

Special Project - Chemistry

Credit Hours

Min:

1

Max:

4

Department(s) ~*

Chemistry

CHEM299 - Chemistry Internship

Course Information

Course Number

299

Course Title (long)

Chemistry Internship

Course Description

Students will work in an internship related to chemistry and complete internship learning objectives under faculty supervision. Approval of instructor and Academic Division Dean required. (Prerequisite: CHEM-100)

Credit Hours

Min:

1

Max:

6

School

School of STEAM

Division

Division of Arts, Design,
Science & Technology

Department(s) ~*

Chemistry

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- CHEM100 - Principles of Chemistry

CINE105 - Film Appreciation

Course Information

Course Number
105

Course Title (long)
Film Appreciation

Course Description
The student will view a wide range of short and feature length films and be able to identify the major film theories, the basic techniques of filmmaking and the basic characteristics of the film medium as art and entertainment.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[CINE105](#)

Course Learning Outcomes

Identify and utilize film terminology and concepts relating to the use of:

Name CINE105 - CLO 1	Outcome Language, figurative comparison and point of view.

Name CINE105 - CLO 2	Outcome The dramatic structure of film.

Name CINE105 - CLO 3	Outcome Graphic structures of film Images in a sequence (editing).

Name CINE105 - CLO 4	Outcome The use of sound in filmmaking.

Name CINE105 - CLO 5	Outcome Apply, in writing, how course elements relate to films shown in class.

Name CINE105 - CLO 6	Outcome Describe the historical development of cinema in terms of its technological, artistic, and cultural growth and significance.

Name CINE105 - CLO 7	Outcome Analyze the role of film as a reflection of our culture, as well as its impact on our society.

CINE115 - Film Genres

Course Information

Course Number
115

Course Title (long)
Film Genres

Course Description

Students will view films from a selection of genres (western, action, film, noir, etc.) and be able to identify the formal conventions of each genre. Students will apply key principles of film theory to specific films and will be able to identify the shifts in popularity and the evolving conventions of certain genres over time, and be able to connect those shifts to cultural changes in society.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[CINE115](#)

Course Learning Outcomes

Name CINE115 - CLO 1	Outcome Identify the conventions of several film genres, including their narrative structure, character types, setting, themes, style, and iconography.
Name CINE115 - CLO 2	Outcome Analyze how genres evolve and are identified.
Name CINE115 - CLO 3	Outcome Connect shifts in popularity and the evolving conventions of certain genres over time to cultural changes in society.

Name CINE115 - CLO 4	Outcome Use critical thinking to apply key principles of film theory and criticism to specific films in written work and presentations, using concepts such as social-political-moral subtext, cultural ideology, genre as mythology, and representations of gender, race, nation, and violence.
Name CINE115 - CLO 5	Outcome Apply, in writing, how course elements relate to films screened and explored in class.
Name CINE115 - CLO 6	Outcome Analyze the role of film as a reflection of our culture, as well as its impact on our society.

COMM101 - Introduction to Communication

Course Information

Course Number
101

Course Title (long)
Introduction to Communication

Course Description
Communication will encourage students to become curious and skeptical observers of the broad, dynamic, relevant field of communication. Students will be required to recall and understand course concepts about essential communication skills, the definition, models and history of communication, the cultural, personal, and physiological contexts, verbal and nonverbal coding systems, and mediated, interspecies and extraterrestrial communication. Students will be required to satisfactorily demonstrate communication skills: reading, writing, speaking and listening. Provocative, interdisciplinary learning materials and teaching techniques are used to help students find coherence in their education and counter the trends of specialization and self-preoccupation.(Prerequisite: ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[COMM101](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

• [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMM101 - CLO 1	Outcome Define the many aspects of communication.
Name COMM101 - CLO 2	Outcome Demonstrate an understanding of theories and concepts of communication.
Name COMM101 - CLO 3	Outcome Apply relevant information from current newspapers, magazines or journals to course concepts.
Name COMM101 - CLO 4	Outcome Utilize information literacy skills in the analysis of human communications.

COMM102 - Communication Media

Course Information

Course Number
102

Course Title (long)
Communication Media

Course Description
Students will examine the historical, technological, economic, organizational and social aspects of communication mediated by technology. The course will emphasize the convergence of conventional mass media with new forms of information services and provide knowledge, skills and perspectives to help prepare students to thrive as consumers and employees in the rapidly changing information society.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[COMM-102](#)

	Outcome Utilize library resources, learn to identify appropriate literature and apply course content to analyze and critique that literature.
Name COMM102 - CLO 5	

Course Learning Outcomes

Name COMM102 - CLO 1	Outcome Examine the historical development of American mass media.
Name COMM102 - CLO 2	Outcome Analyze current industry and regulatory trends.
Name COMM102 - CLO 3	Outcome Investigate how we are affected by and use mass media both as individuals and members of a group.
Name COMM102 - CLO 4	Outcome Explore, in writing, how current media issues relate to coursework.

COMM106 - Introduction to Public Relations

Course Information

Course Number
106

Course Title (long)
Introduction to Public Relations

Course Description
Students will evaluate their potential success in the field of public relations through a broad examination of the topic including the definition, history, function, tools and techniques. Students will investigate the characteristics of the practitioner, the organizational structures and the variety of job opportunities, and they will practice the necessary basic skills and meet practicing professionals. (Prerequisite(s): ENGL-095 or satisfactory completion of College's foundational studies requirement in English). NOTE: This course is offered only in the Spring term.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[COMM106](#)

Students will work in public relations project-based learning teams. Each team will be responsible for:

Name COMM106 - CLO 1	Outcome Creating and implementing a public relations campaign. Successfully executing the campaign. Adjusting the campaign based on experience throughout the semester. Maintaining and changing the team so that it continues to work throughout the semester.
Name COMM106 - CLO 2	Outcome Submitting a 2-page paper discussing the team's goals, progress, and plans as well as individual team member roles; submitting a 4-page paper discussing the team's continuing progress and challenge, and submitting an 8- to 10-page final paper and participating in a final presentation.
Name COMM106 - CLO 3	Outcome Students will also study the history, goals and ethics of public relations.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in English
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Course Sets:
Foundational Studies Requirement in Writing
OR
Criteria 2
OR:
Satisfactory completion of College's foundational studies requirement in English.

Course Learning Outcomes

COMM115 - Audio in Media

Course Information

Course Number
115

Course Title (long)
Audio in Media

Course Description
Students will develop proficiency in making audio recordings of various types and in varying acoustic environments. Students will study the nature of sound and the structure of acoustic sound perception. In addition, students will be able to create audio productions with both technical and aesthetic quality in both analog and digital formats.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[COMM115](#)

Name COMM115 - CLO 5	Outcome Demonstrate a knowledge and application of technical terms and methods in digital audio technology.

Course Learning Outcomes

Name COMM115 - CLO 1	Outcome Demonstrate proficiency with audio production and editing equipment.
Name COMM115 - CLO 2	Outcome Demonstrate competency in the creation of an audio sound effects project.
Name COMM115 - CLO 3	Outcome Produce recorded content in a studio and field environment.
Name COMM115 - CLO 4	Outcome Modify edited content for acoustic and aesthetic values.

COMM125 - Sports Broadcasting

Course Information

Course Number
125

Course Title (long)
Sports Broadcasting

Course Description

By examining all aspects of sports broadcasting, this course explores the aesthetics and technical skills of reporting, writing leads, developing style, editing, production, and adhering to ethics as well as guidance on working in professional sports media. Through discussion, examples, writing assignments and lab activities, students will focus on the new demands and necessary skills needed for sports media in print, broadcast, and digital domains.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[COMM125](#)

Name
COMM125 - CLO 4

Outcome
Analyze various examples of professional sports broadcasts for aesthetics and techniques in content and production value.

Course Learning Outcomes

Name COMM125 - CLO 1	Outcome Apply historical context of sports broadcasting in today's media and explain relevance of important periods in the evolution of sports broadcasting.

Name COMM125 - CLO 2	Outcome Produce written content including reporting and commentary for broadcast in diverse multimedia domains.

Name COMM125 - CLO 3	Outcome Demonstrate skills in planning, researching, presenting and discussing various topics within sports media for the purpose of covering sporting events from a journalism perspective.

COMM216 - Advanced Digital Audio/Musical Recording

Course Information

Course Number
216

Course Title (long)
Advanced Digital Audio/Musical Recording

Course Description
This course explores music recording and editing techniques in a digital environment. Students will learn contemporary audio recording and editing techniques through in-class demonstrations and hands-on lab exercises on a digital audio multitrack workstation. (Prerequisite: COMM-115 with a minimum grade of "C")

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[COMM216](#)

Name COMM216 - CLO 3	Outcome Produce recorded content in a studio environment using multiple instruments and digital signal processing.
Name COMM216 - CLO 4	Outcome Modify edited content for acoustic and aesthetic values based on modern recording techniques.
Name COMM216 - CLO 5	Outcome Demonstrate a knowledge and application of technical terms and methods in multitrack recording.
Name COMM216 - CLO 6	Outcome Students will develop proficiency in these skills by participating in several in-class and out-of-class assignments.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: COMM115 - Audio in Media

Course Learning Outcomes

Name COMM216 - CLO 1	Outcome Demonstrate proficiency with High-Definition Digital Audio Workstation.
Name COMM216 - CLO 2	Outcome Demonstrate competency in the creation of multitrack audio recording.

COMM228 - Multimedia Production Capstone

Course Information

Course Number
228

Course Title (long)
Multimedia Production Capstone

Course Description
The purpose of this course is to teach students who to produce and deliver multimedia content commissioned by clientele. Students will obtain practical and occupational experience working as content creators for 90.5 the Night, the College Radio Station. In this envionment, and under the guidance of the professional radio staff, students will work to create web-based audio, video, and social media content for the station. With 90.5 the Night as the "client for the class," this real-world setting will provide students a unique experience as they build a portfolio of work, utilizing skills previously acquired in the program. Students will attend cultural and social events around the county and create engaging, quality multimedia content that may be used on the station website or on the air. One-on-one and whole-class supervision will be provided.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media
Syllabus (Ctrl + click) COMM-228		

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
- DGMD101 - Introduction to Digital Media - PHTY120 - Digital Photography I - TELV122 - Digital Video Production - RDIO101 - Introduction to Radio and Podcasting
General Education
Complete ALL of the following Courses:
- ENGL121 - English Composition:The Writing Process - ENGL122 - English Composition: Writing and Research

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMM228 - CLO 1	Outcome Demonstrate proficiency as content creators independently and for the College Radio Station.
Name COMM228 - CLO 2	Outcome Design and develop content that follows specific principles in each medium.
Name COMM228 - CLO 3	Outcome Collaborate or work independently to in all three phases of pre-production, production, and post-production,
Name COMM228 - CLO 4	Outcome Adhere to industry standards of ethics and aesthetics.

COMM295 - Special Project - Communication Media

Course Information

Course Number
295

Course Title (long)
Special Project - Communication Media

Course Description
Students will design a project of advanced study. Students must have completed previous course work in the subject area and must meet with an appropriate instructor before registration.

Credit Hours
Min: 1
Max: 6

Department(s) ~*
Communication Media

COMM299 - Communication Media Internship

Course Information

Course Number
299

Course Title (long)
Communication Media Internship

Course Description
Students will practice skills in the use of communication media in a real world experience. They will work with an experienced practitioner who will guide and supervise their progress. This course may be repeated for credit.(Approval of instructor and Career Services Representative is required)

Credit Hours

Min:	Max:
1	6

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- Approval of instructor and Career Services Representative is required.

COMP25D - Programming with AI

Course Information

Course Number
25D

Course Title (long)
Programming with AI

Course Description
This course introduces artificial intelligence (AI) and its applications in programming. Students will explore the fundamentals of AI, including its role in software development, ethical considerations, and limitations. Key topics include understanding large language models (LLMs), AI-powered coding assistants, and mastering prompt engineering. The course also covers using AI to generate and refine project ideas, defining project requirements, and AI-assisted project planning. Additionally, students will learn to write, evaluate, debug, test, and optimize code using AI tools.

Credit Hours

Min:
1

Billing Hours

Min:
1

Department(s) ~*
Computer Science

Syllabus (Ctrl + click)
null

COMP126 - Computer Logic and Design

Course Information

Course Number
126

Course Title (long)
Computer Logic and Design

Course Description
This course provides the student with an introduction to computer systems. The topics include computer components, computer programming logic using design structures, developing algorithms, coding programs and debugging program code. (Prerequisites: MATH-021 or satisfactory completion of the College's foundational studies requirement in algebra)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Technological Competency (IT)

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP126](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP126 - CLO 1	Outcome Apply design techniques such as pseudocode and flowcharting to express program logic.
Name COMP126 - CLO 2	Outcome Implement design solutions using decisions, repetition, methods and arrays.
Name COMP126 - CLO 3	Outcome Code, test and debug problem solutions in a programming language.
Name COMP126 - CLO 4	Outcome Obtain an understanding of objects and how to use them in programming applications.
Name COMP126 - CLO 5	Outcome Apply good programming style and implement modern programming conventions.

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• Foundational Studies Requirement in Algebra

*Must be MATH-021

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in algebra.

COMP128 - Fundamental of Programming

Course Information

Course Number
128

Course Title (long)
Fundamental of Programming

Course Description
The student explores problem solving concepts, algorithm design and analysis using pseudo code, Alice, and a programming language. Students are required to produce algorithms and applications using data, decision making, repetition, and lists. The software development process and human-computer interaction are discussed and incorporated in exercises.

Credit Hours

Min:
1

Billing Hours

Min:
1

General Education Competencies
Technological Competency (IT)

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP128](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP128 - CLO 1	Outcome Develop logic and apply an algorithm design to solve a variety of problems.
Name COMP128 - CLO 2	Outcome Critique different algorithms in terms of being concise, elegant, and generic.
Name COMP128 - CLO 3	Outcome Distinguish between logic and syntax errors.
Name COMP128 - CLO 4	Outcome Design and implement solutions using decisions, repetition, and lists.

Name COMP128 - CLO 5	Outcome Design, implement, test and evaluate test results of algorithms.

COMP129 - Information Technology

Course Information

Course Number
129

Course Title (long)
Information Technology

Course Description
This course is a rigorous introduction to computer science and computer applications. This course emphasizes common computer/technology skills and helps students access, process and present information. This course contains a component that helps the student to recognize analyze and assess ethical issues and situations in computer science. (Prerequisites: READ-095 is recommended)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Sciences (SC), Ethical Reasoning and Action (E), Technological Competency (IT)

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP-129](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Recommended
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
<i>*Must be READ-095</i>

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
COMP129 - CLO 1	Gain an understanding of computer concepts, ethics and terminology.

Name COMP129 - CLO 2	Outcome Acquire the ability to use a computer to effectively process and present information.
Name COMP129 - CLO 3	Outcome Develop effective search strategies and evaluate information from websites.
Name COMP129 - CLO 4	Outcome Collaborate using technological tools.

COMP132 - Structured Programming Using C++

Course Information

Course Number
132

Course Title (long)
Structured Programming Using C++

Course Description
The student will be able to analyze a variety of real-world problems, develop algorithms to solve those problems and code solutions using the ANSI/ISO C++ language. Specifically, the student will be able to write structured program code typical of generalized application problems. Programming topics will include data types, operations and expressions, control structures, functions, arrays, pointers, object structures and input/output handling. Students will be able to debug and edit their program code using compiler diagnostics.(Prerequisite or Corequisite: COMP-126)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP132](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- COMP126 - Computer Logic and Design

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- COMP126 - Computer Logic and Design

COMP135 - Computer Architecture Using Assembly Language

Course Information

Course Number
135

Course Title (long)
Computer Architecture Using Assembly Language

Course Description
Students will acquire the fundamentals of computer architecture from a programmer's perspective by learning assembly language, the interface between hardware and software. Designed for students with previous high-level programming language experience, this course enables the students to write code that provides a good, intuitive model of the computing environment. Concepts covered will be data representation, memory organization, the instruction cycle, addressing modes, exception handling and interrupts. Programs will be developed using the popular INTEL based architecture. (Prerequisites: COMP-171 or approval of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP135](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- COMP171 - Programming I

OR

Criteria 2

OR:

- Approval of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP135 - CLO 1	Outcome Use the Intel based 32-bit architecture (IA-32) to manage memory.
Name COMP135 - CLO 2	Outcome Solve problems encountered in real situations using real mode and protected mode.
Name COMP135 - CLO 3	Outcome Incorporate basic Boolean logic in the programming schematic to solve the required assignments.

COMP137 - Programming for Engineers

Course Information

Course Number 137
Course Title (long) Programming for Engineers
Course Description This course is designed for engineering students with no previous high-level programming language experience. The students will learn how to analyze scientific problems and code solutions to these problems using the ANSI/ISO Standard C++ language. (Prerequisite: MATH-151 or MATH-152 or MATH-153 or MATH-171)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Computer Science

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ANY of the following Courses: - MATH151 - Intermediate Algebra - MATH152 - College Algebra & Trigonometry - MATH153 - Pre-Calculus Mathematics - MATH171 - Calculus I

COMP140 - Designing/Developing Web Sites

Course Information

Course Number
140

Course Title (long)
Designing/Developing Web Sites

Course Description
This course will teach students how to build Web sites. Topics to be studied include lists, tables, frames, style sheets, image mapping and animation. Students will learn how to perform customer interaction with forms and special controls. Topics explored are examining Web publication and security issues, and integrating Office documents into Web sites. Current Web-based software tools are used in the course, i.e., Microsoft Expression Web 3 and Dreamweaver CS4.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science
Syllabus (Ctrl + click) COMP140		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP140 - CLO 1	Outcome Build a Web site using a current software tool, Adobe Dreamweaver Creative Cloud.

COMP145 - Introduction to UNIX

Course Information

Course Number
145

Course Title (long)
Introduction to UNIX

Course Description
Students will be introduced to the fundamentals of the UNIX operating system, commands and tools. Students will become familiar with the UNIX file system structure, editors and shell programming. Students will learn networking in UNIX, as well as basic system administration. Students will be able to contrast and compare UNIX with LINUX.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science
Syllabus (Ctrl + click) COMP-145		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP145 - CLO 1	Outcome Understand UNIX command syntax
Name COMP145 - CLO 2	Outcome Use the shell command language.
Name COMP145 - CLO 3	Outcome Apply the commonly used commands for performance tuning.
Name COMP145 - CLO 4	Outcome Perform some system administration functions.

COMP166 - WEB Design Using HTML

Course Information

Course Number
166

Course Title (long)
WEB Design Using HTML

Course Description
Students will learn the most important topics of HTML including creating multimedia Web pages with hypertext links, tables, frames, forms and cascading style sheets. Students will learn the basics of XML including creating XML documents and binding data. Students will design content for mobile devices.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP166](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
COMP166 - CLO 1	Design, code, and implement HTML, XHTML, and XML on web pages.
COMP166 - CLO 2	Apply frame, forms, table, graphics, style sheets and bind data to web pages and hand help devices.

COMP171 - Programming I

Course Information

Course Number
171

Course Title (long)
Programming I

Course Description
The student will be able to analyze a variety of problems, develop algorithms to solve those problems and code solutions using JAVA. The fundamentals of software development, which includes logic, control structures, arrays, methods, classes, documentation techniques, testing, and debugging, are covered. Assignments give students hands-on experience to design, write, test, debug and edit their program code using an integrated development environment. (Prerequisite or Corequisite: COMP-126)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP171](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: COMP126 - Computer Logic and Design
Corequisite Type Corequisite Career Studies Enroll in the following Courses: COMP126 - Computer Logic and Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
COMP171 - CLO 1	Analyze, develop, code, execute and test solutions for a variety of problems using the JAVA programming language.

Name	Outcome
COMP171 - CLO 2	Assimilate problem solving and logical thinking techniques.

COMP175 - Game Design and Development

Course Information

Course Number
175

Course Title (long)
Game Design and Development

Course Description
This course teaches the student the fundamental concepts needed to design and develop a game. The focus is on the development process and the documentation required to successfully implement a game, including the creation of a game treatment and game spec. Rules, play mechanics, balance, storytelling, interface design, team management, and differentiation between genres are also covered.(Prerequisites: COMP-126 and ENGL-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP175](#)

Course Requirements

Simple Requisites

Prerequisites
Type Prerequisite
General Education
Complete ALL of the following Courses:
ENGL121 - English Composition:The Writing Process
Career Studies
Complete ALL of the following Courses:
COMP126 - Computer Logic and Design

COMP185 - Programming in C#

Course Information

Course Number
185

Course Title (long)
Programming in C#

Course Description
C# is a modern, object-oriented programming language intended to create simple yet robust programs. C# is the core language of the Microsoft.NET framework. In this course, students gain the skills to exploit the capabilities of C# and of the .NET framework to develop programs useful for a broad range of desktop and web applications.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP-185](#)

Course Requirements

Simple Requisites

Prerequisite
Type Prerequisite
Career Studies
Complete ALL of the following Courses:
COMP171 - Programming I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
COMP185 - CLO 1	Analyze a variety of mathematical and business-based problems.
COMP185 - CLO 2	Develop algorithms to create logical solutions.

	Outcome Create desktop and web-based applications using the C# programming language.
Name COMP185 - CLO 3	

COMP225 - Operating Systems Technology

Course Information

Course Number
225

Course Title (long)
Operating Systems Technology

Course Description
Students will acquire an understanding of the role that an operating system has in the computing environment. Students will explore the tradeoffs that can be made between performance and functionality during the design and implementation of an operating system. Particular emphasis will be given to: process management (processes, threads, CPU scheduling, synchronization, and deadlock), memory management (segmentation, paging, swapping), security, networking, and file systems. (Prerequisite: COMP-135)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP225](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: COMP135 - Computer Architecture Using Assembly Language

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP225 - CLO 1	Outcome Differentiate between select operating system design paradigms.
Name COMP225 - CLO 2	Outcome Explain distributed computing issues.

Name COMP225 - CLO 3	Outcome Design a simulated programming language.
Name COMP225 - CLO 4	Outcome Effectively utilize UNIX/Linux operating system commands.

COMP226 - System Analysis and Design

Course Information

Course Number
226

Course Title (long)
System Analysis and Design

Course Description
Students will acquire working knowledge of the principles, methods and procedures required to develop a computerized information system. They will be able to identify, describe and perform the various tasks associated with a computer system development, particularly in systems planning, management, analysis and design, implementation and support. (Prerequisites: COMP-126)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Computer Science

Syllabus (Ctrl + click)
[COMP226](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: COMP126 - Computer Logic and Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP226 - CLO 1	Outcome Perform system analysis and design.
Name COMP226 - CLO 2	Outcome Design databases.
Name COMP226 - CLO 3	Outcome Design user interfaces.

Name	Outcome
COMP226 - CLO 4	Provide system documentation using UML.

COMP228 - Data Structures

Course Information

Course Number	228
Course Title (long)	Data Structures
Course Description	This course will introduce students to the use of various data structures found in Computer Science. The data structures to be studied include arrays, lists, stacks, queues, trees, graphs, and tables. For these structures, generic operations and their efficiency will be examined, as well as specific applications for these operations. Recursive processes will be introduced as well as searching and sorting techniques.(Prerequisites: COMP 135 and COMP 271)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP228](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies Complete ALL of the following Courses: - COMP135 - Computer Architecture Using Assembly Language - COMP271 - Programming II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
COMP228 - CLO 1	Understand abstract data structures concepts.
Name	Outcome
COMP228 - CLO 2	Implement solutions for a variety of data structure problems.

Name	Outcome
COMP228 - CLO 3	Use object-oriented Java programming techniques.

COMP233 - Object Oriented Programming Using C++

Course Information

Course Number
233

Course Title (long)
Object Oriented Programming Using C++

Course Description
This course will introduce students to the concepts and techniques of object oriented programming using the ANSI/ISO Standard C++ language. Topics to be studied include classes and objects as encapsulation tools, design features for objects, operator overloading, the use of dynamic memory, inheritance and hierarchies among classes, virtual functions supporting polymorphism, exception handling, and the standard template library.(Prerequisites: COMP 126 and COMP 132)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP233](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses:
- COMP126 - Computer Logic and Design - COMP132 - Structured Programming Using C++

COMP235 - Programming for Mobile Devices

Course Information

Course Number
235

Course Title (long)
Programming for Mobile Devices

Course Description
This course is for software developers who want to learn to develop Android applications. Topics and techniques covered include the Android software development kit, design principles for mobile applications, developing interfaces, and using common Android application programming interfaces. Assignments give students hands-on experience to design, write, test, debug and edit their programs using Java in an integrated development environment.(Prerequisites: COMP-166 and COMP-271)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP235](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses:
- COMP166 - WEB Design Using HTML - COMP271 - Programming II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
COMP235 - CLO 1	Analyze, develop, code, execute and test a variety of applications for Android devices.

COMP238 - Programming Using Python

Course Information

Course Number
238

Course Title (long)
Programming Using Python

Course Description
This course provides students with the necessary skills to develop interactive programs utilizing the Python programming language. This course is specifically intended for students who are interested in game development. Topics to be covered include programming constructs such as variables, control structures, strings, and functions. Additional topics include tuples, the use of objects, graphics, and sound. Students will actively learn these concepts through assigned projects that will revolve around simple game design. NOTE: This course is offered only in the Fall term. (Prerequisites: COMP-126 and COMP-132)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP238](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- COMP126 - Computer Logic and Design
- COMP132 - Structured Programming Using C++

Course Learning Outcomes

Upon completion of this course, you will be able to:

Name COMP238 - CLO 1	Outcome Plan, write, test, and debug Python programs for basic numerical problem solving and data analysis, making effective use of variables, arithmetic, Boolean, and string operations, control structures, modules, and the Python Standard Library.
Name COMP238 - CLO 2	Outcome Use lists, tuples, and dictionaries to maintain collections of data.
Name COMP238 - CLO 3	Outcome Explain, at an introductory level, the difference between compilation and interpretation, and how Python code is executed.

COMP246 - Full-Stack Web Development

Course Information

Course Number
246

Course Title (long)
Full-Stack Web Development

Course Description
This course allows a student to explore various tools used by a full stack developer. The student will gain a working knowledge of front end web development technologies such as JavaScript as well as back end technologies such as Node.js. This course provides the structure to allow students to design, implement and test dynamic and robust web pages. (Prerequisite(s): COMP-166 or HTML (with approval of department) and COMP-171- Programming I or an approved language (with approval of department); Prerequisite of Corequisite: COMP-269 or relational database experience (with approval of department))

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP246](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Courses:
COMP166 - WEB Design Using HTML
OR
Criteria 2
OR:
HTML (with approval of department).
Career Studies II
Fulfill ANY of the following requirements:
Criteria 1

Complete ALL of the following Courses:
COMP171 - Programming I
OR
Criteria 2
OR:
An approved language (with approval of department).
Career Studies III
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Courses:
COMP269 - Database Concepts
OR
Criteria 2
OR:
Relational database experience (with approval of department).

Corequisite Type Corequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Enroll in the following Courses:
COMP269 - Database Concepts
OR
Criteria 2
OR:
Relational database experience (with approval of department).

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
COMP246 - CLO 1	Design, code, and implement JavaScript on web pages.
COMP246 - CLO 2	Validate forms using JavaScript.

Name COMP246 - CLO 3	Outcome Access databases from web pages
Name COMP246 - CLO 4	Outcome Understand how to debug web pages.
Name COMP246 - CLO 5	Outcome Understand modules, HTTP, File System, and Events in terms of Node.js
Name COMP246 - CLO 6	Outcome Design, code, and implement Node.js to produce dynamic web pages.

COMP265 - Spreadsheets Using Excel

Course Information

Course Number
265

Course Title (long)
Spreadsheets Using Excel

Course Description
The course will teach the students all the topics of Microsoft Excel, including developing worksheets, creating charts, coding functions, programming and running macros, creating datatables, integrating Excel with other programs, publishing Excel data on the World Wide Web and using Visual Basic Code.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Computer Science

Syllabus (Ctrl + click)
[COMP-265](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP265 - CLO 1	Outcome Gain an understanding of spreadsheet concepts and terminology.
Name COMP265 - CLO 2	Outcome Acquire the ability to use a microcomputer to effectively process and present information.
Name COMP265 - CLO 3	Outcome Organize and create an effective worksheet and workbook with formulas and functions.
Name COMP265 - CLO 4	Outcome Create and modify charts.
Name COMP265 - CLO 5	Outcome Sort and filter data.

Name COMP265 - CLO 6	Outcome Apply conditional formatting.
Name COMP265 - CLO 7	Outcome Create and modify PivotTables and PivotCharts.
Name COMP265 - CLO 8	Outcome Use What-If analysis with data tables, Goal Seek, Scenario Manager, and Solver.
Name COMP265 - CLO 9	Outcome Use advanced statistical functions.

COMP266 - Data Base Using Access

Course Information

Course Number
266

Course Title (long)
Data Base Using Access

Course Description
This course will teach students basic and advanced topics of Microsoft Access, including programming and running macros, advanced queries and custom forms, integrating Access with other programs, publishing objects on the World Wide Web and using Visual Basic Code.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Computer Science

Syllabus (Ctrl + click)
[COMP-266](#)

Course Learning Outcomes

Name COMP266 - CLO 1	Outcome The student will be able to create Access Databases, including tables, forms, queries, reports, integrating with other programs, macros and write VBA code.

COMP269 - Database Concepts

Course Information

Course Number
269

Course Title (long)
Database Concepts

Course Description
This course covers how to analyze data and effectively design databases. The fundamental concepts of relational database design, implementation, and administration are presented. Design concepts include entity relationship modeling and normalization. The relational design is developed using a modeling tool. Database implementation and administration are covered through basic and advanced SQL. (Prerequisites: COMP-126 or equivalent experience)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP269](#)

Name	Outcome
COMP269 - CLO 1	Create databases by applying theoretical principles of database design.

Name	Outcome
COMP269 - CLO 2	Demonstrate, through working knowledge of SQL, the implementation and administration of databases.

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

COMP126 - Computer Logic and Design

OR

Criteria 2

OR:

Equivalent experience.

Course Learning Outcomes

Upon completion of this course, students will be able to:

COMP271 - Programming II

Course Information

Course Number
271

Course Title (long)
Programming II

Course Description
This course continues the development of problem solving, logical thinking and object oriented programming techniques using JAVA. Topics and techniques covered include design features from objects, classes and objects as encapsulation tools, inheritance and hierarchies among classes, polymorphism, exception handling and GUI/event driven programming. Assignments give students hands-on experience to design, write, test, debug and edit their program code using an integrated development environment.(Prerequisites: COMP-126 and COMP-171)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP271](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- COMP126 - Computer Logic and Design
- COMP171 - Programming I

Course Learning Outcomes

Upon completion of this course, students will be able to:

	Outcome
Name COMP271 - CLO 1	Analyze, develop, code, execute and test solutions for a variety of problems using the JAVA programming language.

	Outcome
Name COMP271 - CLO 2	Assimilate problem solving and logical thinking techniques.

COMP275 - Game Programming I

Course Information

Course Number
275

Course Title (long)
Game Programming I

Course Description
This course introduces the student to programming concepts unique to the development of games. The emphasis is on creating programs with "2-dimensional" graphics using Microsoft's DirectX API. Topics will include windows programming, Bitmap graphics, input, and sound. NOTE: This course is offered only in the Spring term. (Prerequisite or corequisite: COMP-233 and MATH-137)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP275](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- COMP233 - Object Oriented Programming Using C++

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- COMP233 - Object Oriented Programming Using C++

COMP277 - Game Programming II

Course Information

Course Number
277

Course Title (long)
Game Programming II

Course Description
This course provides an introduction to programming three dimensional computer graphics. The Microsoft DirectX API will be the focal point of the course. The student will create animated scenes that include 3D models, non-uniform terrain, dynamic lighting, and a movable point-of-view camera. NOTE: This course is offered only in the Fall term. (Prerequisites: COMP-275)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP277](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
COMP275 - Game Programming I

COMP295 - Special Project - Computer Science

Course Information

Course Number
295

Course Title (long)
Special Project - Computer Science

Course Description
(Prerequisites: COMP 126 and programming language)

Credit Hours
Min: 1
Max: 6

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Fulfill ALL of the following requirements:
Criteria 1
Complete ALL of the following Courses:
COMP126 - Computer Logic and Design
AND
Criteria 2
AND:
Programming language.

COMP296 - Advanced Software Project

Course Information

Course Number
296

Course Title (long)
Advanced Software Project

Course Description
This course is a capstone course for students enrolled in the Computer Science program. Students conduct analysis and research resulting in the architecture, design and implementation of an information system. Students develop detail descriptions of the data stores, program structures and user interfaces of the system. Projects give students the experience to perform the analysis, design, coding and testing of software created. (Prerequisites: COMP-226, COMP-269 and COMP-271 or COMP-268)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Syllabus (Ctrl + click)
[COMP296](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: - COMP226 - System Analysis and Design - COMP269 - Database Concepts - COMP271 - Programming II OR

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name COMP296 - CLO 1	Outcome Develop the system architecture, logical design, physical design, test plans.

Name COMP296 - CLO 2	Outcome Develop web page layouts and the skills (HTML/CSS/XML) necessary to produce the user interface (Web Site Development Students).
Name COMP296 - CLO 3	Outcome Employ a structured approach for testing the system.
Name COMP296 - CLO 4	Outcome Design data stores and provide the interfaces to those data stores.
Name COMP296 - CLO 5	Outcome Implement a computer system to support the project.
Name COMP296 - CLO 6	Outcome Evaluate the role and limits of the operating system and computer architecture in the design and implementation of the project (Programming Option Students)
Name COMP296 - CLO 7	Outcome Design user interfaces which consider ergonomics.
Name COMP296 - CLO 8	Outcome Design and implement using object oriented and generic software engineering principles.
Name COMP296 - CLO 9	Outcome Provide documentation of the developed system.

COMP299 - Computer Science Internship

Course Information

Course Number
299

Course Title (long)
Computer Science Internship

Course Description
This course will allow the student to gain practical work experience by participating in a computer science career related position with an approved company or institution. (Prerequisite: 12 credits in Computer Science Courses and matriculation as a Computer Science major and Permission of instructor and Career Services Representative)

Credit Hours

Min:	Max:
1	3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Computer Science

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- 12 credits in Computer Science Courses.
- Matriculation as a Computer Science major.
- Permission of instructor and Career Services Representative.

CRJU101 - Introduction to Criminal Justice System

Course Information

Course Number
101

Course Title (long)
Introduction to Criminal Justice System

Course Description
The social and institutional response to crime is discussed topically in this interdisciplinary survey of the American Criminal Justice System. Students are required to formulate views on controversial issues and concerns such as plea bargaining, the exclusionary rule, the insanity defense and the death penalty. This course is a prerequisite for all 200 level courses in the Criminal Justice program.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Syllabus (Ctrl + click)
[CRJU101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU101 - CLO 1	Tags Written and Oral Communication (Communication)
Outcome Determine the essential elements of a crime. (communication)	
Name CRJU101 - CLO 2	Outcome Examine the importance of the Bill of Rights to the concept of justice.
Name CRJU101 - CLO 3	Outcome Consider issues related to the use of police powers.
Name CRJU101 - CLO 4	Outcome Illustrate the structure of the New Jersey court system.

Name CRJU101 - CLO 5	Outcome Relate the important decision points in the criminal justice process.

Name CRJU101 - CLO 6	Tags Critical Thinking
Outcome Formulate an opinion on controversial issues in justice. (critical thinking)	

Name CRJU101 - CLO 7	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU125 - Police Role in Community

Course Information

Course Number
125

Course Title (long)
Police Role in Community

Course Description
The student will use various methods to analyze the police role in the United States. Research and experimentation on police, conducted in the past twenty years, is reviewed and discussed. Innovations in policing from Team Policing to Community Policing are also described and analyzed.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Criminal Justice

Syllabus (Ctrl + click)
[CRJU125](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU125 - CLO 1	Outcome Demonstrate the procedures for recruitment in law enforcement.

Name CRJU125 - CLO 2	Outcome Examine the role of police compared to the presentation of police in the media.

Name CRJU125 - CLO 3	Outcome Compare reactive and proactive policing.

Name CRJU125 - CLO 4	Outcome Relate police history and the development of the professional model of policing. Research policing practice.

Name CRJU125 - CLO 5	Outcome Categorize the principles of community policing, problem-oriented policing, and intelligence.

Name CRJU125 - CLO 6	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU126 - Introduction to Public Administration

Course Information

Course Number 126
Course Title (long) Introduction to Public Administration
Course Description Students will analyze the various approaches to public administration. Students will compare various divisions of government and administration and how administrators manage their particular functions on a federal, state, county and municipal level.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Criminal Justice
Syllabus (Ctrl + click) CRJU126		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU126 - CLO 1	Tags Critical Thinking
Outcome Identify the political and administrative values and the impact of these values on the administration of government. (critical thinking)	
Name CRJU126 - CLO 2	Outcome Describe the importance of communications within an organization.
Name CRJU126 - CLO 3	Tags Information Literacy (Integrated Course Goal)
Outcome Prepare budgets, policies, and hiring policies for a hypothetical government agency. (information literacy)	

Name CRJU126 - CLO 4	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU127 - Introduction to Corrections

Course Information

Course Number
127

Course Title (long)
Introduction to Corrections

Course Description
The student will gain an understanding of historical and contemporary correctional practices. Theoretical concepts of the criminal sanction will be discussed, along with institutional rehabilitation and community-based corrections. This course is a follow up to CRJU 101.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Criminal Justice

Syllabus (Ctrl + click)
[CRJU127](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU127 - CLO 1	Outcome Analyze the four goals of corrections.
Name CRJU127 - CLO 2	Outcome Differentiate the different types of sentencing systems.
Name CRJU127 - CLO 3	Outcome Formulate a position on the application of the death penalty.
Name CRJU127 - CLO 4	Outcome Examine the history and development of prisons in America.
Name CRJU127 - CLO 5	Outcome Distinguish the differences between jails and prisons.

Name CRJU127 - CLO 6	Outcome Classify the different levels of incarceration.

Name CRJU127 - CLO 7	Outcome Conduct a field observation visit to a jail and prison and assess the agency experience.

Name CRJU127 - CLO 8	Outcome Discriminate between different forms of community-based corrections.

Name CRJU127 - CLO 9	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU131 - Introduction to Private Security

Course Information

Course Number
131

Course Title (long)
Introduction to Private Security

Course Description
The growth and expansion of career opportunities in the private security industry will be reviewed. Students will learn practical applications of physical security. In addition, concerns of retail security, employee theft and security law will be discussed. NOTE: This course is offered only in the Fall term.

Credit Hours

Min:
3

Billing Hours

Min:
3

School
School of Business,
Humanities and Social
Science

Division
Division of Business

Department(s) ~*
Criminal Justice

Syllabus (Ctrl + click)
[CRJU131](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU131 - CLO 1	Tags Historical Perspective (History)
Outcome Describe the history and development of private security in the United States. (history)	

Name CRJU131 - CLO 2	Outcome Identify career opportunities in private security.

Name CRJU131 - CLO 3	Outcome Describe electronic, physical, and procedural security measures of asset protection.

Name CRJU131 - CLO 4	Outcome Explain the importance of the partnership role between private.

Name CRJU131 - CLO 5	Outcome Security and public law enforcement.

Name CRJU131 - CLO 6	Outcome Describe legal concepts that apply to security.

Name CRJU131 - CLO 7	Outcome Describe risk management and risk analysis.

Name CRJU131 - CLO 8	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU151 - Introduction to Criminology

Course Information

Course Number
151

Course Title (long)
Introduction to Criminology

Course Description
Students will be introduced to the study of crime and criminal behavior. This is the only course in the program which studies the criminal rather than society's response to crime. Three different methods of measuring crime will be described; the five schools of criminological theory will be reviewed; and several different crime problems in America will be discussed.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Criminal Justice

Syllabus (Ctrl + click)
[CRJU151](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU151 - CLO 1	Outcome Distinguish between deviance, criminal justice, criminology, and juvenile delinquency.

Name CRJU151 - CLO 2	Outcome Differentiate the strengths and weaknesses of three types of measurements used in the study of crime.

Name CRJU151 - CLO 3	Outcome Evaluate the features of the specific theories and/or explanations of crime that are either presented in the textbook and/or class lecture.

Name CRJU151 - CLO 4	Outcome Relate the major types of crimes committed in the United States; property crimes, violent crimes, organizational crimes, crimes of terrorism, and crimes involving the use of high technology.

Name CRJU151 - CLO 5	Outcome Utilize the UCR and NCS websites.

Name CRJU151 - CLO 6	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU202 - Criminal Investigation

Course Information

Course Number
202

Course Title (long)
Criminal Investigation

Course Description
This course will explore the responsibilities of the criminal investigator during the criminal investigation process. The initial crime scene investigation, physical evidence, the role of the crime laboratory, interviews and interrogations, crime scene reconstruction and specific investigative techniques relating to specific crimes will be discussed and evaluated.(Prerequisite: A grade of "C" or higher in CRJU-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Criminal Justice

Syllabus (Ctrl + click)
[CRJU-202](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU202 - CLO 1	Outcome Have a general knowledge of the criminal investigation process, its historical development in the United States, and the role of the investigator in contemporary police organizations.

Name CRJU202 - CLO 2	Outcome Know the law enforcement agency's responsibility and role in the investigation of crimes.
Name CRJU202 - CLO 3	Outcome Relate the role of the preliminary investigation to the protection and preservation of the crime scene and the subsequent search for evidence.
Name CRJU202 - CLO 4	Outcome Consider the ethical dilemmas of criminal investigation and criminal prosecution.
Name CRJU202 - CLO 5	Outcome Have a better understanding of the investigator's role in the investigation of crimes.
Name CRJU202 - CLO 6	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU204 - Forensic Investigation

Course Information

Course Number
204

Course Title (long)
Forensic Investigation

Course Description
Forensic Investigation constructs a bridge between basic criminal investigation and forensic science. The course will take forensic evidence, amplify it, collect it, process it and bring it into a Forensic Laboratory. Scientific methods will be explained and evidence examination techniques will be explored. (Prerequisite: A grade of "C" or higher in CRJU 101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Syllabus (Ctrl + click)
[CRJU204](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU204 - CLO 1	Outcome Explain crime scene preservation and safety.
Name CRJU204 - CLO 2	Outcome Describe firearm injuries, sharp force injuries, and electrical injuries regarding crime scene investigation.

Name CRJU204 - CLO 3	Outcome Apply methods and procedures for procuring fingerprints during an investigation.
Name CRJU204 - CLO 4	Outcome Describe the role of the medical examiner in homicide cases.
Name CRJU204 - CLO 5	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU205 - Community Corrections

Course Information

Course Number
205

Course Title (long)
Community Corrections

Course Description
Students will review the various non-custodial alternatives to the correctional system. Topics will include traditional community-based alternatives to prison such as probation and parole. Newer community-based alternatives such as boot camps, day reporting, forfeiture, intensive supervision and technology-based supervisions will also be examined in the course. (Prerequisite: CRJU-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Syllabus (Ctrl + click)
[CRJU205](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU205 - CLO 1	Outcome Evaluate the major issues, trends, and dilemmas confronting Community Corrections.

Name CRJU205 - CLO 2	Outcome Examine different Community Corrections alternatives and appraise its purpose as a vital diversion to the American Criminal Justice and Corrections System.

Name CRJU205 - CLO 3	Outcome Research and evaluate data to differentiate positions on community-based corrections alternatives.

Name CRJU205 - CLO 4	Outcome Analyze a community-based corrections alternative utilizing information databases (NJ CJ online; Criminal Justice websites; and Position Paper).

Name CRJU205 - CLO 5	Outcome Examine the effectiveness of community-based corrections alternatives through interviews and field observation.

Name CRJU205 - CLO 6	Outcome Perform an oral report presentation of a field observation experience at a Community Corrections Agency.

Name CRJU205 - CLO 7	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU225 - Police Organization and Administration

Course Information

Course Number
225

Course Title (long)
Police Organization and Administration

Course Description
Students will be able to identify and compare the organizational models, authority structures and major functions of law enforcement on a federal, state, county and municipal level. They will be able to define the major administrative problems involved in assigning responsibility and delegating authority in the areas of recruitment, promotion, training and personnel administration. (Prerequisite: A grade of "C" or higher in CRJU 101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School
School of Business,
Humanities and Social
Science

Division
Division of Business

Department(s) ~*
Criminal Justice

Syllabus (Ctrl + click)
[CRJU225](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, through written, oral discussion and examination, students will be able to:

Name CRJU225 - CLO 1	Outcome Describe the organizational models of municipal police forces.

Name CRJU225 - CLO 2	Outcome Describe the functions of police on the federal, state, and municipal levels.
Name CRJU225 - CLO 3	Outcome Identify major administrative problems of police management.
Name CRJU225 - CLO 4	Outcome Evaluate issues in the delegation of responsibility.
Name CRJU225 - CLO 5	Outcome Identify and summarize the major issues in police recruitment, training, and promotion.

CRJU226 - Criminal Law

Course Information

Course Number
226

Course Title (long)
Criminal Law

Course Description
Students will be able to define and explain the basic elements of a crime. They will be able to apply these basic elements to crimes against person and property. Students will compare fundamental legal concepts to The New Jersey Criminal Code. (Prerequisite: A grade of "C" or higher in CRJU 101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Criminal Justice

Syllabus (Ctrl + click)
[CRJU226](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU226 - CLO 1	Outcome Classify the essential elements of a crime.
Name CRJU226 - CLO 2	Outcome Differentiate defenses of justification and excuse. (These include defenses such as selfdefense, insanity, entrapment, etc.)

Name CRJU226 - CLO 3	Outcome Apply knowledge of essential elements of a crime to the definition of crimes in the New Jersey Criminal Code 2C.
Name CRJU226 - CLO 4	Outcome Compare and contrast the different definitions of crime in Common Law to contemporary statutory definitions.
Name CRJU226 - CLO 5	Outcome Consider how acts are defined as wrong and identified as a public wrong as opposed to a private wrong.
Name CRJU226 - CLO 6	Outcome Examine the issues of professional responsibility and ethical standards as they relate to the subject matter of this course.

CRJU229 - Criminal Due Process

Course Information

Course Number 229
Course Title (long) Criminal Due Process
Course Description Due process is the essence of justice in the American Criminal Justice System. Students will be introduced to the significant constitutional cases which define due process of law in the justice system. Important cases will be read and analyzed. Historical trends in constitutional law will be reviewed. Students will complete the course with a fundamental understanding of the impact of due process issues on the operation of the American Criminal Justice System. (Prerequisite: A grade of "C" or higher in CRJU 101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Criminal Justice
Syllabus (Ctrl + click) CRJU229		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU229 - CLO 1	Outcome Understand the meaning of Due Process of Law.

Name CRJU229 - CLO 2	Outcome Understand that both the U.S. and New Jersey Constitutions mandate Due Process, but that the N.J. Constitution affords more protections than the U.S. Constitution.

Name CRJU229 - CLO 3	Outcome Understand the need for such Constitutional protections.

Name CRJU229 - CLO 4	Outcome Understand the concept of balancing Constitutional rights against the need for security.

Name CRJU229 - CLO 5	Outcome Identify the role of the law enforcement professional in ensuring Due Process.

Name CRJU229 - CLO 6	Outcome Identify the consequences of failure to carry out that role.

Name CRJU229 - CLO 7	Outcome Identify the relevant Amendments to the U.S. Constitution and the rights therein.

Name CRJU229 - CLO 8	Outcome Identify the relevant U.S. & N.J. Supreme Court and lower court decisions.

Name CRJU229 - CLO 9	Outcome Identify the relevant statutory and administrative rules.

Name CRJU229 - CLO 10	Outcome Understand the Exclusionary Rule, it's sources & the reasons for it.

Name CRJU229 - CLO 11	Outcome Identify the requirements for obtaining a Warrant.

Name CRJU229 - CLO 12	Outcome Identify each Exception to the Warrant Requirement.

Name CRJU229 - CLO 13	Outcome Identify Miranda Rights, and when & why they must be "given".

Name CRJU229 - CLO 14	Outcome Examine the issues of professional responsibility & ethics as they relate to the subject matter of this course.

CRJU235 - Loss Prevention

Course Information

Course Number
235

Course Title (long)
Loss Prevention

Course Description
Loss prevention seeks to reduce the risk of loss from theft, shrinkage, injury and terrorist threat. Individuals working as loss prevention professionals are concerned with the assets of private companies and public agencies. Students, after taking the course, will be able to describe the threats to private and public agencies and design a security survey.(Prerequisite: A grade of "C" or higher in CRJU 101)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Syllabus (Ctrl + click)
[CRJU235](#)

Name CRJU235 - CLO 3	Tags Critical Thinking, Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)
Outcome Differentiate various methods for guarding and securing the assets of a community, or company. (Critical Thinking, Information Literacy, Communication)	

Name CRJU235 - CLO 4	Tags Critical Thinking, Information Literacy (Integrated Course Goal), Written and Oral Communication (Communication)
Outcome Determine the basic elements of an effective loss prevention system. (Critical Thinking, Information Literacy, Communication)	

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU235 - CLO 1	Outcome Illustrate the threats of shrinkage in a commercial organization.
Name CRJU235 - CLO 2	Outcome Analyze safety concerns of a commercial organization.

CRJU236 - Counter Terrorism

Course Information

Course Number
236

Course Title (long)
Counter Terrorism

Course Description
The course begins by examining the political and historical roots of international terrorism. The structure and dynamics of international and domestic terrorist groups will be described. Counterterrorism strategies and the responses to the terrorist threat in the United States will be a focus of the course. September 11, 2001 has changed the perception of the dangers faced by the country. The USA Patriot Act has created new authority for federal agents in combating terrorism. Enhanced intelligence and expanded surveillance authority will create a more efficient response to the terrorist threat. Students will be introduced to new technologies in counterterrorism as well as new career opportunities.
(Prerequisite: CRJU-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Syllabus (Ctrl + click)
[CRJU236](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- CRJU101 - Introduction to Criminal Justice System

Outcome

Analyze information, determine solutions, consider problems, and assess decisions in counter terrorism.

Name

CRJU236 - CLO 2

Outcome

Analyze and evaluate historical and/or societal issues as they impact current and future trends in counter terrorism.

Name

CRJU236 - CLO 3

Course Learning Outcomes

Upon completion of this course, students will be able to:

Outcome

Relate the history, structure, dynamics, and strategic responses of counter terrorism.

Name

CRJU236 - CLO 1

CRJU237 - Homeland Security

Course Information

Course Number
237

Course Title (long)
Homeland Security

Course Description
The various threats to the security of our nation are ever growing, but so are the strategies, tactics, and will of the nation to meet those threats. This course will examine the role of the U.S. Department of Homeland Security, as well as the role of local law enforcement, and state fusion centers in protecting the nation. It will review new technologies to enhance national security and cyber-security. Students will investigate future concerns and challenges in national security, as well as Twenty-First Century issues of civil liberties, rights, and privacy. Issues of ethics and professional responsibility, as they relate to the subject matter of the course, will be discussed.(Prerequisite: A grade of "C" or higher in CRJU-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Syllabus (Ctrl + click)
[CRJU237](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CRJU237 - CLO 1	Outcome Examine the role of the Department of Homeland Security in intelligence gathering deterrence strategies.

Name CRJU237 - CLO 2	Outcome Assess the central role of local police and state fusion centers in the effort to gather intelligence from disparate networks of information.
Name CRJU237 - CLO 3	Outcome Examine border protection, immigration concerns, travel security, and transportation threats.
Name CRJU237 - CLO 4	Outcome Analyze strategies of disaster response.
Name CRJU237 - CLO 5	Outcome Consider and investigate new technologies to enhance security such as advance surveillance cameras, metal detectors, and explosive detection equipment.
Name CRJU237 - CLO 6	Outcome Examine and debate Twenty-first Century issues of civil liberties and civil rights, national security concerns, and privacy rights.
Name CRJU237 - CLO 7	Outcome Determine future concerns, long-term goals, and challenges of the Department of Homeland Security.
Name CRJU237 - CLO 8	Outcome Investigate future concerns and challenges in national security, as well as Twenty First Century issues of civil liberties, rights and privacy, and issues of ethics and professional responsibility, as they relate to the subject matter of the course.

CRJU238 - Principles of Emergency Management

Course Information

Course Number
238

Course Title (long)
Principles of Emergency Management

Course Description
This course introduces students to the background components and systems involved in the management of disasters and other emergencies. Focusing on the United States, the course will illustrate current practices, strategies, and the key players involved in Emergency Management. A primary focus of the course is for students to recognize the importance of incident preparation, and consequence management and to develop relevant strategies emphasizing the four aspects of Emergency Management (mitigation, preparedness, response, and recovery). (Prerequisites: A grade of "C" or higher in CRJU-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Syllabus (Ctrl + click)
[CRJU238](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
CRJU238 - CLO 1	Identify and discuss four components (mitigation, preparedness, response, and recovery) of disaster management.

CRJU238 - CLO 2	Define and manage convergence.
CRJU238 - CLO 3	Develop an Emergency Operations Plan including the major components of the incident command system.
CRJU238 - CLO 4	Identify organizational responsibilities for response functions.
CRJU238 - CLO 5	Plan an evacuation including key factors.
CRJU238 - CLO 6	Analyze the central role of local police and state command centers in an effort to gather intelligence from various networks of information.
CRJU238 - CLO 7	Coordinate activities associated with health and medical services in emergencies and disasters.
CRJU238 - CLO 8	Examine the issues of ethics and professional responsibility as they relate to the subject matter of this course.

CRJU245 - Delinquency and Juvenile Justice

Course Information

Course Number
245

Course Title (long)
Delinquency and Juvenile Justice

Course Description
The course will examine the social and behavioral causes of delinquency. In addition, the historical background, legal rights and procedural problems of the juvenile justice system will be reviewed. Students will be expected to: identify and describe four separate theories of delinquency, distinguish the practices and procedures of the adult justice system from the juvenile justice system and explain recent reforms and innovations in delinquency prevention, punishment and treatment. (Prerequisite: A grade of "C" or higher in CRJU 101)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Criminal Justice

Syllabus (Ctrl + click)
[CRJU-245](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- CRJU101 - Introduction to Criminal Justice System

Course Learning Outcomes

Upon completion of the course, through written, oral communication and examination, students will be able to:

Name	Outcome
CRJU245 - CLO 1	Describe the major components of the juvenile justice process.
Justification (Core Competencies: Communication, Critical Thinking)	

Name	Outcome
CRJU245 - CLO 2	Identify and compare the differences between adult and juvenile justice processes.
Justification (Core Competencies: Communication, Critical Thinking)	

Name	Outcome
CRJU245 - CLO 3	Identify the tasks of a juvenile officer.
Justification (Core Competencies: Communication, Critical Thinking)	

Name	Outcome
CRJU245 - CLO 4	Describe the role of the probation department in the informal response to juvenile offenders.
Justification (Core Competencies: Communication, Critical Thinking)	

Name	Outcome
CRJU245 - CLO 5	Describe the role of the judge in courts with jurisdiction for juvenile offenders.
Justification (Core Competencies: Communication, Critical Thinking)	

Name	Outcome
CRJU245 - CLO 6	Appraise and consider the life experience of individuals incarcerated.
Justification (Core Competencies: Communication, Critical Thinking)	

CRJU295 - Special Project - Criminal Justice

Special Project Criminal Justice

Course Information

Course Number
295

Course Title (long)
Special Project - Criminal Justice Special Project Criminal Justice

Course Description
Students will complete a research project. Limited to students who need 1-3 credits to graduate. Faculty permission required for registration. (Prerequisite: A grade of "C" or higher in CRJU 101)

Credit Hours

Min:	Max:
1	3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- CRJU101 - Introduction to Criminal Justice System

CRJU299 - Criminal Justice Internship

Course Information

Course Number
299

Course Title (long)
Criminal Justice Internship

Course Description
Students will work 175 hours for a local justice agency. Internships are available with several local police departments, the county jail, probation, New Jersey Department of Corrections and other agencies. Commissioned police officers may serve an internship with the County Prosecutor's Office. (Prerequisite: Written permission by the Criminal Justice Department Chair and a Criminal Justice faculty member and at least two of the following three criteria: (1)24 credits including 9 credits of criminal Justice courses, (2)at least a 2.7 GPA with a 3.0 or better in Criminal Justice classes, and (3)a grade of "C" or higher in CRJU-101. Permission of a Career Services Representative is also required.)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Criminal Justice

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies I

Fulfill ALL of the following requirements:

- Written permission by the Criminal Justice Department Chair and a Criminal Justice faculty member.
- Permission of a Career Services Representative .

Career Studies II

Complete at least 2 of the following:

Criteria 1

24 credits including 9 credits of criminal Justice courses

OR

Criteria 2

At least a 2.7 GPA with a 3.0 or better in Criminal Justice classes

OR

Criteria 3

Earn a minimum grade of "C" in the following:

- CRJU101 - Introduction to Criminal Justice System

CSSC18A - College Success Seminar

Course Information

Course Number
18A

Course Title (long)
College Success Seminar

Course Description
This course is designed to promote academic self-efficacy among first-year college students through the identification and applied use of academic tools, skills, and strategies; application of critical thinking and information literacy skills; and the honing of academic and career plans. Students will participate in research, discussion, and reflection on a common theme, learn to adopt and present an evidence-based stance, and preview careers in practice.

Credit Hours

Min:
3

Billing Hours

Min:
3

Department(s) ~*
Innovation & Learn Office

CSSC105 - College Success & Career Exploration

Course Information

Course Number
105

Course Title (long)
College Success & Career Exploration

Course Description
This course builds academic confidence by reviewing essential strategies, resources, and tools for a successful college experience. Students will also apply metacognitive and information literacy skills to develop academic and career plans and reflect on career readiness competencies.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Innovation & Learn Office

Syllabus (Ctrl + click)
[CSSC105](#)

Course Learning Outcomes

Students will:

Name CSSC105 - CLO 1	Outcome Identify, access, and utilize strategies and resources that promote academic and personal growth and resiliency.
Name CSSC105 - CLO 2	Outcome Develop critical thinking, information literacy, and technological skills.
Name CSSC105 - CLO 3	Outcome Demonstrate interpersonal and leadership skills essential in a diverse, global society.
Name CSSC105 - CLO 4	Outcome Create academic and career plans.

Name CSSC105 - CLO 5	Outcome Reflect on values, goals, decisions, and actions in relation to the impact on self and others.

CULA16B - Garde Manger and Charcuterie

Course Information

Course Number
16B

Course Title (long)
Garde Manger and Charcuterie

Course Description
The students will gain knowledge of the principles of basic Charcuterie, Garde Manger preparation and recipe production. Emphasis will be placed on production of pate, terrines, hors d'oeuvres and cold and hot canapes, galantines and forcemeat products. Students will perform the techniques of sous- vide, brining, curing and smoking will be discussed. The student will learn through lecture, demonstration and hands-on application preparation techniques. The student will perform sensory evaluation of the finished product. (Prerequisite(s): CULA-126, CULA-127)

Credit Hours

Min:
2

Billing Hours

Min:
2

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: - CULA126 - Brunch/Buffer Production - CULA127 - Ala Carte Lunch

CULA105 - Introduction to Culinary Arts

Course Information

Course Number
105

Course Title (long)
Introduction to Culinary Arts

Course Description
The course explores the history of the food service industry and the development of the professional chef. The personal and educational resources needed to become a professional chef will be discussed. Cultural diversity will be recognized and discussed as a key component to the success of any food service operation. Students will become familiar with the library and how to do research and enhance their study skills.

Credit Hours

Min:
1.5

Billing Hours

Min:
1.5

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts

Syllabus (Ctrl + click)
[CULA105](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA105 - CLO 1	Outcome Apply the history of Culinary Arts to the many facets of the culinary profession.
Name CULA105 - CLO 2	Outcome Research, write and present a project on an important culinary figure.
Name CULA105 - CLO 3	Outcome Understand the legal aspects of a career as a professional chef.

CULA107 - Culinary Math

Course Information

Course Number
107

Course Title (long)
Culinary Math

Course Description
Math fundamentals, as they relate to the food industry, will be intensively reviewed. Multiplication, division, fractions, percentages, ratios, decimals and other computations will be performed utilizing industry-based problems. The student will perform recipe conversions, menu pricing, weights and measures, recipe costing, and extension computations. (Prerequisite or Corequisite: MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation)

Credit Hours

Min:
1.5

Billing Hours

Min:
1.5

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA107](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

Foundational Studies Requirement in Computation

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in computation.

Corequisite

Type

Corequisite

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

Foundational Studies Requirement in Computation

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in computation.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA107 - CLO 1	Outcome Perform recipe conversion, menu pricing, recipe costing, and extension computations.
Name CULA107 - CLO 2	Outcome Utilize and memorize weights and measures.
Name CULA107 - CLO 3	Outcome Demonstrate the proper measurements of the most common ingredients.

CULA111 - Basic Food Skills I

Course Information

Course Number
111

Course Title (long)
Basic Food Skills I

Course Description
The students will gain knowledge of the principles of food preparation through classroom instruction and laboratory experiences. Emphasis will be placed on knife skills, measuring, identification of tools and equipment, and terms and concepts. Students will prepare stocks, soups and sauces as the foundation for cooking competencies needed in more advanced food preparation courses. (Corequisites CULA-116, CULA-114, CULA-112 - Must be taken at the same time as this course.)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA111](#)

Course Requirements

Simple Requisites

Corequisite Type Corequisite
Career Studies
Enroll in the following Courses:
- CULA112 - Basic Food Skills II - CULA114 - Culinary Math and Purchasing - CULA116 - Introduction to Culinary Principles
<i>*Must be taken at the same time as this course.</i>

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
CULA111 - CLO 1	Define and identify daily the concepts of basic food preparation.

Name	Outcome
CULA111 - CLO 2	Prepare stocks: White/Brown (chicken, veal, seafood).

Name	Outcome
CULA111 - CLO 3	Prepare soups (clear, purees, bisques and chowders).

Name	Outcome
CULA111 - CLO 4	Prepare the five leading sauces and multiple small sauces.

CULA112 - Basic Food Skills II

Course Information

Course Number
112

Course Title (long)
Basic Food Skills II

Course Description
The students will build upon the information learned in Basic Food Preparation Skills I and increase their knowledge of food preparation through classroom instruction and laboratory experiences. Emphasis will be placed on rice, pasta and starch, legumes, vegetables, fruit and nuts. This course is a foundation course for cooking competencies needed in more advanced food preparation courses. (Prerequisites: a grade of "C" or higher in MATH 012 or MATH 015 or satisfactory completion of the College's basic skills requirement in computation, and READ 095 or satisfactory completion of the College's basic skills requirement in reading; Corequisites: CULA 111, CULA 114, CULA 116)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts
Syllabus (Ctrl + click) CULA112		

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

Foundational Studies Requirement in Reading

*Must be READ-095

OR

Criteria 2

OR:

Satisfactory completion of the College's basic skills requirement in reading.

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

Foundational Studies Requirement in Computation

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in computation.

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

CULA111 - Basic Food Skills I

CULA114 - Culinary Math and Purchasing

CULA116 - Introduction to Culinary Principles

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA112 - CLO 1	Outcome Define and identify daily the concepts of basic food preparation.
Name CULA112 - CLO 2	Outcome Prepare a variety of rice dishes and starches (pasta, legumes and grains).
Name CULA112 - CLO 3	Outcome Develop an understanding of the effects of cooking when working with a variety of ingredients.
Name CULA112 - CLO 4	Outcome Prepare and convert recipes.

CULA114 - Culinary Math and Purchasing

Course Information

Course Number
114

Course Title (long)
Culinary Math and Purchasing

Course Description
.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA114](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - CULA111 - Basic Food Skills I - CULA112 - Basic Food Skills II - CULA116 - Introduction to Culinary Principles
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading *Must be READ-095
OR
Criteria 2 OR: Satisfactory completion of the College's basic skills requirement in reading.
Foundational Studies Requirement in Computation Fulfill ANY of the following requirements:

Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Computation
OR
Criteria 2
OR:
Satisfactory completion of the College's Foundational Studies requirement in computation.

Corequisite Type Corequisite
Career Studies Enroll in the following Courses: - CULA111 - Basic Food Skills I - CULA112 - Basic Food Skills II - CULA116 - Introduction to Culinary Principles

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA114 - CLO 1	Outcome Perform recipe conversion, menu pricing, recipe costing, and extension computations.
Name CULA114 - CLO 2	Outcome Utilize and memorize weights and measures.
Name CULA114 - CLO 3	Outcome Demonstrate the proper measurements of the most common ingredients.
Name CULA114 - CLO 4	Outcome Answer in detail the seven purchasing questions.
Name CULA114 - CLO 5	Outcome Apply that knowledge to practical working experience.
Name CULA114 - CLO 6	Outcome Handle purchasing activities in a professional manner.

Name CULA114 - CLO 7	Outcome Examine and diagnose cause of product loss.
Name CULA114 - CLO 8	Outcome Calculate acceptable order sizes, EP weight and edible product yield.
Name CULA114 - CLO 9	Outcome Cost out standardized recipes.
Name CULA114 - CLO 10	Outcome Conduct a physical inventory.
Name CULA114 - CLO 11	Outcome Compose a basic order sheet, profit loss statement, and understand basic culinary accounting fundamentals
Name CULA114 - CLO 12	Outcome Memorize terminology in food service accounting fundamentals.
Name CULA114 - CLO 13	Outcome Conduct a "Flow of food" financial analysis of several food or non-food items located within the school.

CULA115 - Sanitation & Safety

Course Information

Course Number

115

Course Title (long)

Sanitation & Safety

Course Description

Students will obtain an understanding of standards for sanitation that are applicable to all aspects of food service and food industry operations. The course covers microbiology and foodborne illnesses, sanitizing equipment and facilities, pest control, HACCP and protecting food during preparation, storage and service. An extensive unit on safety will be included. Students earn the SERV-SAFE certificate. SERV-SAFE certification is required to work in the production kitchen and continue in the Culinary Arts program.

Credit Hours

Min:

1.5

Billing Hours

Min:

1.5

School

School of Business,
Humanities and Social
Science

Division

Division of Business

Department(s) ~*

Culinary Arts

Syllabus (Ctrl + click)

[CULA115](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA115 - CLO 1	Outcome Understand the terminology and concepts related to safe and sanitary foodservice and food handling.
Name CULA115 - CLO 2	Tags Critical Thinking
Outcome Pass the SERV-SAFE sanitation certification exam. (Critical Thinking, Personal Development)	

CULA116 - Introduction to Culinary Principles

Course Information

Course Number
116

Course Title (long)
Introduction to Culinary Principles

Course Description
.

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA116](#)

Name CULA116 - CLO 3	Outcome Understand the terminology and concepts related to safe and sanitary food service and food handling.
Name CULA116 - CLO 4	Outcome Pass the SERV-SAFE sanitation certification exam.
Name CULA116 - CLO 5	Outcome Understand the basics of writing an MLA formatted paper and importance of research utilizing all facilities afforded to the student through Brookdale Community College.

Course Requirements

Simple Requisites

Corequisite Type Corequisite
Career Studies Enroll in the following Courses: - CULA111 - Basic Food Skills I - CULA112 - Basic Food Skills II - CULA114 - Culinary Math and Purchasing

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA116 - CLO 1	Outcome Apply the history of Culinary Arts to the many facets of the culinary profession.
Name CULA116 - CLO 2	Outcome Understand the legal aspects of a career as a professional chef.

CULA126 - Brunch/Buffer Production

Course Information

Course Number
126

Course Title (long)
Brunch/Buffer Production

Course Description

The students will get hands-on experience in the production of breakfast items. They will develop preparation and timing skills. The preparation experience will include: egg cookery (including omelet preparation), cereals, breakfast meats, quick breads, dairy and cheese. Presentation of these items on a plate and buffet line will be emphasized. Students will prepare cold kitchen items such as canapés, hot and cold hor d'oeuvres, appetizers, pates, galantines, terrines and salads (Garde Manger). (Prerequisites: CULA-111, CULA-112, and CULA-115)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA126](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- CULA111 - Basic Food Skills I
- CULA112 - Basic Food Skills II
- CULA115 - Sanitation & Safety

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
CULA126 - CLO 1	Develop skills in preparation and timing for recipe production.

Name	Outcome
CULA126 - CLO 2	Demonstrate the ability to prepare a variety of breakfast items.

Name	Outcome
CULA126 - CLO 3	Arrange plates and platters for buffet presentation.

CULA127 - Ala Carte Lunch

Course Information

Course Number
127

Course Title (long)
Ala Carte Lunch

Course Description
The student will apply the skills learned in basic food preparation skills classes to the preparation of lunch foods from the following categories: sandwiches, salads and salad dressings, pasta, hot lunches and vegetarian dishes. The student will have to show proficiency in knife skills, sanitation and safety, and mise en place while working in the kitchen. (Prerequisites: CULA 111, CULA 112 and CULA 115)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA127](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
- CULA111 - Basic Food Skills I - CULA112 - Basic Food Skills II - CULA115 - Sanitation & Safety

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
CULA127 - CLO 1	Understand the importance of timing and proper preparation of food in a public setting.
CULA127 - CLO 2	Prepare hot and cold sandwiches.

Name	Outcome
CULA127 - CLO 3	Prepare appetizers.
CULA127 - CLO 4	Prepare lunch entrees including grill and stews.
CULA127 - CLO 5	Develop a lunch ala carte menus.

CULA131 - Nutrition in the Culinary Arts

Course Information

Course Number

131

Course Title (long)

Nutrition in the Culinary Arts

Course Description

This course covers the basic principles of nutrition as they apply to the culinary arts profession. The function, digestion, absorption, transportation and metabolism of the major nutrients (carbohydrates, proteins and fats) and the minor nutrients (vitamins, minerals and water) are discussed. Topics including food labeling, the Food Guide Pyramid, common diseases related to nutrition, food allergies, vegetarianism and current diet trends will be presented. The student will be able to develop appropriate ingredient substitutions and healthy cooking techniques. Students will learn to apply healthy cooking techniques into today's restaurant menu. Lecture and lab application will be utilized. (Prerequisite: CULA-112; Corequisite: CULA-114, CULA 116)

Credit Hours

Min:

3

Billing Hours

Min:

3

School

School of Business,
Humanities and Social
Science

Division

Division of Business

Department(s) ~*

Culinary Arts

Syllabus (Ctrl + click)

[CULA131](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
CULA131 - CLO 1	Apply nutritional cooking techniques into menus.

Name	Outcome
CULA131 - CLO 2	Analyze nutrition information.

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- CULA112 - Basic Food Skills II

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- CULA114 - Culinary Math and Purchasing
- CULA116 - Introduction to Culinary Principles

CULA133 - Storeroom/Purchasing Operations

Course Information

Course Number
133

Course Title (long)
Storeroom/Purchasing Operations

Course Description
The student will learn about the storeroom operations of purchasing, receiving, storage, requisitioning and record keeping. Through lecture, demonstration and hands-on experience in the lab the students will learn product identification, packaging, seasonality and availability, freshness and the quality factors of maturity and ripeness, appropriate culinary uses, taste, texture and other selection points. The student will also be involved with the developing of stock and inventory control. They will learn about different ordering methods: bidding, phone quotes and contracts. (Prerequisites: MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-092 or READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts
Syllabus (Ctrl + click) CULA-133		

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Computation](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's Foundational Studies requirement in computation.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA133 - CLO 1	Outcome Answer in detail the seven purchasing questions.
Name CULA133 - CLO 2	Outcome Apply that knowledge to practical working experience.
Name CULA133 - CLO 3	Outcome Handle purchasing activities in a professional manner.
Name CULA133 - CLO 4	Outcome Examine and diagnose cause of product loss.
Name CULA133 - CLO 5	Outcome Calculate acceptable order sizes, EP weight and edible product yield.
Name CULA133 - CLO 6	Outcome Cost out standardized recipes.
Name CULA133 - CLO 7	Outcome Conduct a physical inventory.
Name CULA133 - CLO 8	Outcome Determine how much inventory an operation should keep on hand.

CULA141 - Dining Room I

Course Information

Course Number
141

Course Title (long)
Dining Room I

Course Description
This course is designed as an overview of service. The students will develop professional server skills and be able to efficiently serve a meal. The students will gain hands-on experience in serving in the dining room. (Prerequisites: READ-095 and MATH-015 or satisfactory completion of the College's foundational studies requirement in computation)

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA-141](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

**Must be READ-095*

OR

Criteria 2

OR:

• Satisfactory completion of the College's Foundational Studies requirement in reading.

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Computation](#)

**Must be MATH-015*

OR

Criteria 2

OR:

• Satisfactory completion of the College's Foundational Studies requirement in computation.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
CULA141 - CLO 1	Develop proper techniques for lunch service.

Name	Outcome
CULA141 - CLO 2	Proficient in the use of POS system.

Name	Outcome
CULA141 - CLO 3	Demonstrate setting Ala Carte table settings.

CULA145 - Kitchen Production

Course Information

Course Number
145

Course Title (long)
Kitchen Production

Course Description
The students will get hands-on experience in the production of breakfast, brunch and lunch items. They will develop preparation and timing skills. The preparation experience will include: egg cookery (including omelet preparation), cereals, breakfast meats, quick breads, dairy and cheese. Presentation of these items on a plate and buffet line will be emphasized. Students will prepare cold kitchen items such as canapés, hot and cold hor d'oeuvres, appetizers, pates, galantines, terrines and salads (Garde Manger). The student will prepare lunch items such as sandwiches, salads and salad dressings, pasta, hot lunches, and vegetarian dishes. Students will also prepare, manage, and maintain buffet offerings during set periods. Students will be required to maintain sense of urgency, standard kitchen decorum, and ability to operate within a team (brigade). Prerequisites: A grade of ?C? or higher in CULA 111, CULA 112, CULA 114, CULA 116 Corequisites: CULA 131, CULA 141, CULA 151

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts

Syllabus (Ctrl + click)
[CULA145](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - CULA111 - Basic Food Skills I - CULA112 - Basic Food Skills II - CULA114 - Culinary Math and Purchasing - CULA116 - Introduction to Culinary Principles
Corequisite Type Corequisite
Career Studies Enroll in the following Courses:

- CULA131 - Nutrition in the Culinary Arts
- CULA141 - Dining Room I
- CULA151 - Baking Skills I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA145 - CLO 1	Outcome Develop skills in preparation and timing for recipe production.
Name CULA145 - CLO 2	Outcome Demonstrate the ability to prepare a variety of breakfast, brunch and lunch items.
Name CULA145 - CLO 3	Outcome Arrange plates and platters for buffet presentation.
Name CULA145 - CLO 4	Outcome Understand the importance of timing and proper preparation of food in a public setting.
Name CULA145 - CLO 5	Outcome Develop expediter/ production skills with POS system.
Name CULA145 - CLO 6	Outcome Prepare hot and cold sandwiches.
Name CULA145 - CLO 7	Outcome Prepare appetizers.
Name CULA145 - CLO 8	Outcome Prepare lunch entrees "a la minute" including grill, sauté, braised, composed, and other preparations
Name CULA145 - CLO 9	Outcome Develop and prepare lunch ala carte menus.
Name CULA145 - CLO 10	Outcome Learn Garde Manger preparations.

Name CULA145 - CLO 11	Outcome Understand the basics of plating and artful arrangements of food for individual consumption on plates.

CULA151 - Baking Skills I

Course Information

Course Number
151

Course Title (long)
Baking Skills I

Course Description
This course is designed to give the student the ability to demonstrate an understanding of baking, ingredients, terminology, tools and equipment, formulations, techniques and principles. The student will prepare a variety of baked goods including: quick breads, breads and rolls, pies, cakes and cookies and pate a choux, puff pastry and filo dough products. (Corequisites: CULA 114 and CULA 116)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts
Syllabus (Ctrl + click) CULA151		

Course Requirements

Simple Requisites

Corequisite Type Corequisite	Enroll in the following Courses: - CULA114 - Culinary Math and Purchasing - CULA116 - Introduction to Culinary Principles

CULA241 - Dining Room II/Wines

Course Information

Course Number
241

Course Title (long)
Dining Room II/Wines

Course Description
The student will further develop his/her service skills by serving dinner in the dining room. The student will also learn about the major wine growing regions of the world and the different wines that each produces. He/She will learn to identify quality of wine by interpreting the label. (Prerequisite: CULA 141)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts
Syllabus (Ctrl + click) CULA241		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Complete ALL of the following Courses: CULA141 - Dining Room I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA241 - CLO 1	Outcome Identify quality of wine by interpreting the wine labe
Name CULA241 - CLO 2	Outcome Develop dining service skills.

CULA243 - Advanced Dining Room

Course Information

Course Number
243

Course Title (long)
Advanced Dining Room

Course Description
.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA243](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Earn a minimum grade of "C" in the following: CULA141 - Dining Room I

Corequisite Type Corequisite
Enroll in the following Courses: CULA245 - Advanced Kitchen Production

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA243 - CLO 1	Outcome Identify quality of wine by interpreting the wine label.
Name CULA243 - CLO 2	Outcome Develop dining service skills.

Name CULA243 - CLO 3	Outcome Proficient in the use of POS system.
Name CULA243 - CLO 4	Outcome Demonstrate setting tables for fine dining experiences.
Name CULA243 - CLO 5	Outcome Demonstrate classical style of table-side cooking.
Name CULA243 - CLO 6	Outcome Understand fermented beverages/ distilled spirits.
Name CULA243 - CLO 7	Outcome Earn TIPS certification.
Name CULA243 - CLO 8	Outcome Demonstrate advanced service techniques.
Name CULA243 - CLO 9	Outcome Demonstrate knowledge and technique in non-alcohol beverages.

CULA245 - Advanced Kitchen Production

Course Information

Course Number
245

Course Title (long)
Advanced Kitchen Production

Course Description
The students will apply all of the food preparation skills, theories and techniques learned in all of the food preparation classes to an actual setting. The student will prepare and plate the restaurant menu to patrons. This is the culmination of all the food preparation courses and signifies that the student is now prepared to work in the field. This course includes the preparation of both French and Italian foods. (Prerequisites: CULA-126, CULA-157, CULA-266, CULA-267; Corequisite CULA-272)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts

Syllabus (Ctrl + click)
[CULA245](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- CULA266 - Meat and Seafood Science

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- CULA243 - Advanced Dining Room

Name CULA245 - CLO 1	Outcome Develop preparation and timing skills.
Name CULA245 - CLO 2	Outcome Evaluate and prepare recipes from various regions utilizing regional cooking utensils and cooking methods.
Name CULA245 - CLO 3	Outcome Identify foods indigenous to each region.
Name CULA245 - CLO 4	Outcome Understand the culture of each reason and how it relates to food.
Name CULA245 - CLO 5	Tags Creative Expression Outcome Apply food preparation skills to develop varied menus (Creative Expression).
Name CULA245 - CLO 6	Tags Creative Expression, Historical/ Societal Analysis Outcome Prepare food items that encompass the different regions of France and Italy (Creative Expression, Historical /Societal Analysis)
Name CULA245 - CLO 7	Outcome Exhibit the ability to prepare recipes within required time constraints.
Name CULA245 - CLO 8	Outcome Demonstrate Sanitation and Safety regulations as related to food preparation and personal hygiene.
Name CULA245 - CLO 9	Outcome Prepare preparation lists, order lists, and work flow charts for production kitchen during set times.

Course Learning Outcomes

Upon completion of this course, students will be able to:

CULA251 - Patisserie

Course Information

Course Number
251

Course Title (long)
Patisserie

Course Description
The course is designed to give the student the ability to expand on the principles and techniques learned in Baking Skills I. The student will learn basic patisserie skills to produce tarts, European cookies, cheesecakes, tea cakes, tortes, classical cakes, truffles, individual pastries, buttercreams, custards, sauces and Bavarian creams. Introduction to decorative items in chocolate, marzipan and pastillage will be covered. Students will be responsible for plating desserts for service.(Prerequisites: CULA-115 and a grade of "C" or higher in CULA-151)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA251](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA251 - CLO 1	Outcome Develop higher level skills in basic baking, cake decorating and finishing.
Name CULA251 - CLO 2	Outcome Prepare European pastries and assorted baked and frozen cakes and desserts.
Name CULA251 - CLO 3	Outcome Complete creatively a presentation of plated desserts for fine dining experiences.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: CULA151 - Baking Skills I
Career Studies II Complete ALL of the following Courses: CULA116 - Introduction to Culinary Principles

Corequisite Type Corequisite
Career Studies Enroll in the following Courses: CULA116 - Introduction to Culinary Principles

CULA252 - Advanced Baking Skills

Course Information

Course Number
252

Course Title (long)
Advanced Baking Skills

Course Description
This course is designed to meet the needs of the student who is pursuing pastry arts as a possible career goal. The student will learn through lecture, discussion and hands-on production of a variety of yeast doughs, including: Artisan breads, decorative breads, international breads, flatbreads and starters. The student will also prepare strudel, galettes and meringues. (Prerequisites: CULA-151 and CULA-251)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts
Syllabus (Ctrl + click) CULA252		

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
- CULA151 - Baking Skills I - CULA251 - Patisserie

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
CULA252 - CLO 1	Prepare a variety of different dough formulations

CULA253 - Advanced Patisserie

Course Information

Course Number
253

Course Title (long)
Advanced Patisserie

Course Description
The student will gain knowledge of the principles of advanced Patisserie by working with materials and products at an advanced level, such as techniques in gum paste and fondant, tiered cakes, rolled fondant cakes and techniques in royal icing.(Prerequisites: CULA 151, CULA 251, CULA 252)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts
Syllabus (Ctrl + click) CULA253		

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
- CULA151 - Baking Skills I - CULA251 - Patisserie - CULA252 - Advanced Baking Skills

Corequisite Type
Corequisite
Career Studies
Enroll in the following Courses:
- CULA151 - Baking Skills I - CULA251 - Patisserie - CULA252 - Advanced Baking Skills

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA253 - CLO 1	Outcome Prepare wedding cakes and petit fours.
Name CULA253 - CLO 2	Outcome Create decorative icings.
Name CULA253 - CLO 3	Outcome Prepare regional specialties.

CULA255 - Advanced Pastry Arts

Course Information

Course Number
255

Course Title (long)
Advanced Pastry Arts

Course Description
In this course students will apply skills from all Pastry Arts classes in the preparation of frozen desserts, hot soufflés, and advanced topics in baking, including Entremet cakes, Petits Fours, regional specialties, and special needs baking. (Prerequisites: CULA 151, CULA 251, CULA 252, CULA 253)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts

Syllabus (Ctrl + click)
[CULA255](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - CULA151 - Baking Skills I - CULA251 - Patisserie - CULA252 - Advanced Baking Skills - CULA253 - Advanced Patisserie
Corequisite Type Corequisite
Career Studies Enroll in the following Courses: - CULA151 - Baking Skills I - CULA251 - Patisserie - CULA252 - Advanced Baking Skills - CULA253 - Advanced Patisserie

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA255 - CLO 1	Outcome Demonstrate knowledge and skills in producing frozen desserts and soufflés.
Name CULA255 - CLO 2	Outcome Demonstrate knowledge and skills in producing special needs items.
Name CULA255 - CLO 3	Outcome Demonstrate application of prior skills attained in previous pastry arts classed in the production of Entremet Cakes, Petits Fours and Regional Specialties.

CULA256 - Confectionary and Showpieces

Course Information

Course Number
256

Course Title (long)
Confectionary and Showpieces

Course Description
During this course the student will become proficient at tempering chocolate, working with Pastillage, pulled and blown sugar. Demonstration on filled chocolates, centerpieces and advanced techniques are also included for student practice. (Prerequisites: CULA 151, CULA 251, CULA 252, CULA 253, CULA 255)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts

Syllabus (Ctrl + click)
[CULA256](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - CULA151 - Baking Skills I - CULA251 - Patisserie - CULA252 - Advanced Baking Skills - CULA253 - Advanced Patisserie - CULA255 - Advanced Pastry Arts
Corequisite Type Corequisite
Career Studies Enroll in the following Courses: - CULA151 - Baking Skills I - CULA251 - Patisserie - CULA252 - Advanced Baking Skills - CULA253 - Advanced Patisserie - CULA255 - Advanced Pastry Arts

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
CULA256 - CLO 1	Develop proficiency in tempering chocolate and working with Pastillage.

Name	Outcome
CULA256 - CLO 2	Develop proficiency in working with pulled and blown sugars.

CULA266 - Meat and Seafood Science

Course Information

Course Number
266

Course Title (long)
Meat and Seafood Science

Course Description
The student will learn through lecture, demonstration and hands-on experiences how to butcher meat to portion control cuts. The student will understand how meat is graded, inspected and aged and will be able to identify the bone and muscle structure of beef, lamb, pork and poultry. Proper handling of these items will be stressed. The student will perform yield test analysis as a part of the learning experience. The student will also learn identification, handling and butchering techniques for finfish, shellfish and a variety of fish. There will be lecture, demonstration and hands-on application of fish cookery principles and techniques. Techniques of brining, curing and smoking will be discussed. The student will learn through lecture, demonstration and hands-on application preparation techniques. The student will perform sensory evaluation of the finished product. (Charcuterie)(Prerequisites: MATH-021, CULA-112, CULA-114, and CULA-145)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA266](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Earn a minimum grade of "C" in the following: - CULA112 - Basic Food Skills II - CULA114 - Culinary Math and Purchasing - CULA145 - Kitchen Production Foundational Studies Requirement in Algebra Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Algebra <i>*Must be MATH-021</i>

OR

Criteria 2

OR:

- Satisfactory completion of College's Foundational Studies requirement in algebra.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

**Must be READ-095*

OR

Criteria 2

OR:

- Satisfactory completion of College's Foundational Studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA266 - CLO 1	Outcome Butcher the carcass and understand the sub-primal and primal cuts of beef, pork, lamb, veal, and poultry.
Name CULA266 - CLO 2	Outcome Fabricate and prepare a variety of fish.
Name CULA266 - CLO 3	Outcome Apply proper sanitation and food handling techniques.
Name CULA266 - CLO 4	Outcome Communicate and work effectively with a team.
Name CULA266 - CLO 5	Outcome Demonstrate principles of meat and seafood handling, preparation and recipe production.

CULA267 - American Regional Cuisine

Course Information

Course Number
267

Course Title (long)
American Regional Cuisine

Course Description
This course is designed to provide the student with respect for cultural diversity in foods. Food, food preparation techniques, tools and equipment, menu patterns and culture of American regions will be emphasized. The students will prepare selected recipes from the following areas: New England, Middle Atlantic, Upper South, Deep South, Great Lakes, Midwest, Southwest, Mountain States, Pacific Northwest, Hawaii and Alaska. (Prerequisites: CULA-126 and CULA-127; Prerequisite or Corequisite: CULA-266; Corequisite: CULA-241)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA267](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- CULA126 - Brunch/Buffer Production
- CULA127 - Ala Carte Lunch
- CULA266 - Meat and Seafood Science

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- CULA241 - Dining Room II/Wines
- CULA266 - Meat and Seafood Science

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA267 - CLO 1	Outcome Develop preparation and timing skills.
Name CULA267 - CLO 2	Outcome Evaluate and prepare recipes from various regions utilizing regional cooking utensils and cooking methods.
Name CULA267 - CLO 3	Outcome Identify foods indigenous to each region.
Name CULA267 - CLO 4	Outcome Understand the culture of each reason and how it relates to food.

CULA271 - Advanced Classical Cuisine

Course Information

Course Number
271

Course Title (long)
Advanced Classical Cuisine

Course Description
The student will apply all of the food preparation skills, theories and techniques learned in all of the food preparation classes to an actual setting. The student will prepare and plate the restaurant menu to patrons. This is the culmination of all the food preparation courses and signifies that the student is now prepared to work in the field. This course includes the preparation of both French and Italian foods. (Prerequisites: CULA-126, CULA-127, CULA-266, CULA-267; Corequisites: CULA-272)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts
Syllabus (Ctrl + click) CULA271		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Complete ALL of the following Courses: - CULA126 - Brunch/Buffer Production - CULA127 - Ala Carte Lunch - CULA266 - Meat and Seafood Science - CULA267 - American Regional Cuisine
Corequisite Type Corequisite	Career Studies Enroll in the following Courses: CULA272 - Advanced Dining Room III/Spirits

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA271 - CLO 1	Tags Creative Expression
Outcome Apply food preparation skills to develop varied menus (Creative Expression).	

Name CULA271 - CLO 2	Tags Creative Expression, Historical/ Societal Analysis
Outcome Prepare food items that encompass the different regions of France and Italy (Creative Expression, Historical /Societal Analysis)	

Name CULA271 - CLO 3	Outcome Exhibit the ability to prepare recipes within required time constraints.

Name CULA271 - CLO 4	Outcome Demonstrate Sanitation and Safety regulations as related to food preparation and personal hygiene.

CULA272 - Advanced Dining Room III/Spirits

Course Information

Course Number
272

Course Title (long)
Advanced Dining Room III/Spirits

Course Description
This course is the culmination of all of the students' efforts in the previous dining room courses. The student will be responsible for setting up the dining room mise en place, greeting and seating guests, taking food and beverage orders, filling the orders, serving dessert, calculating the guest check, handling the cash transaction and farewell to the guest. There will also be classroom discussion of distilled spirits. The student will be held to high professional standards of performance. Emphasis will be placed on sanitation and safety in the dining room. (Prerequisites: CULA-141 and CULA-241; Corequisite: CULA-271)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA-272](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Complete ALL of the following Courses: - CULA141 - Dining Room I - CULA241 - Dining Room II/Wines
Corequisite Type Corequisite	Career Studies Enroll in the following Courses: CULA271 - Advanced Classical Cuisine

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA272 - CLO 1	Outcome Demonstrate setting tables for fine dining experiences.
Name CULA272 - CLO 2	Outcome Demonstrate classical style of table-side cooking.
Name CULA272 - CLO 3	Outcome Understand fermented beverages/ distilled spirits.

CULA275 - International Regional Cuisine

Course Information

Course Number
275

Course Title (long)
International Regional Cuisine

Course Description
Students will acquire both the knowledge and understanding of cuisines around the world. Students will study international countries and regions. Areas of study will be selected as to their culinary popularity and influence on world cuisine. Each country/regions covered will describe food customs, common ingredients and culinary specialties from that area. Students will learn the basis for diverse food preferences around the globe, discuss how the cuisines of other cultures have been encultured into American cuisines and apply their knowledge of international cuisines into recipe development. Students will gain knowledge of and respect for cultural diversity in foods. Food, food preparation techniques, tools and equipment, and menu patterns of international cuisine will be learned and applied. The students will prepare selected international recipes form the following areas: Great Britain, Asia, South and Central America, Europe, Africa, Greece, Turkey, Central and Eastern Europe, Southeast Asia, India and the Middle East. (Prerequisites: CULA-111, CULA-112, CULA-115, CULA-126, CULA-127, CULA-151, and CULA-266)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[CULA275](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - CULA145 - Kitchen Production - CULA266 - Meat and Seafood Science
Career Studies II Complete ALL of the following Courses: - CULA111 - Basic Food Skills I - CULA112 - Basic Food Skills II - CULA115 - Sanitation & Safety - CULA126 - Brunch/Buffer Production

- CULA127 - Ala Carte Lunch
 - CULA151 - Baking Skills I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name CULA275 - CLO 1	Outcome Describe cultural characteristics within each region/group of countries.
Name CULA275 - CLO 2	Outcome Identify and define regional foods and related terminology.
Name CULA275 - CLO 3	Outcome Distinguish individual food crops of each country.
Name CULA275 - CLO 4	Outcome Examine the climatic, geographical and historical influences on the cuisines of these countries.
Name CULA275 - CLO 5	Outcome Identify similarities and differences between the cuisines of the countries.
Name CULA275 - CLO 6	Outcome Create recipes and dishes from each region using regional cooking methods.

CULA295 - Special Project - Culinary Arts

Course Information

Course Number 295		
Course Title (long) Special Project - Culinary Arts		
Course Description (Prerequisite: 20 credits in the major and permission of instructor)		
Credit Hours		
Min: 1		Max: 3
School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts

Course Requirements

Simple Requisites

Prerequisite
Type Prerequisite
Career Studies Fulfill ALL of the following requirements: • 20 credits in the major. • Permission of instructor.

DGMD101 - Introduction to Digital Media

Course Information

Course Number
101

Course Title (long)
Introduction to Digital Media

Course Description
Digital Media Technology is designed to familiarize the student with the expanding world of new digital media formats. Students will learn about audio, video, and print media in both a non-linear and hypermedia environment. The course will include the basics of digital media formats and codecs, introductions to software and concepts utilized in digital AV production and graphic design, and discussions about current and future concepts in the digital audio-visual domain. Some additional lab time is expected in this course. A fundamental understanding of a Windows OS, and basic computer knowledge is helpful.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[DGMD101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
DGMD101 - CLO 1	Apply concepts of design to today's prevalent media file types.
DGMD101 - CLO 2	Use industry-standard software to develop and manipulate media files.
DGMD101 - CLO 3	Identify milestones in the development of digital media and their impact on society.

DIGM115 - Digital Editing: After Effects

Course Information

Course Number
115

Course Title (long)
Digital Editing: After Effects

Course Description
Students will use the AfterEffects software to explore the concepts of digital editing for time-based media. In this course, students will learn the basics of digital editing, including keyframing, layering, and composition. In addition, students will learn the AfterEffects program filters and presets for use in animation, and will work with AfterEffects' native 3D space to create primitive objects and move cameras through scenes.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[DIGM115](#)

Course Learning Outcomes

Name	Outcome
DIGM115 - CLO 1	Students will develop advanced digital compositing and special effects skills using various image and visual formats.
DIGM115 - CLO 2	Students will design and execute exciting composite and motion special effects sequences beginning with the initial storyboard and following through to the rendered export of the completed project.

Name DIGM115 - CLO 3 Justification (Technological Literacy, Critical Thinking, Creative Expression)	Outcome Students will create projects focusing on file management, project organization and small group cohesion. Students apply the visual FX process and technology used in the special effect industry.

DIGM116 - Production & Storyboarding: Photoshop

Course Information

Course Number

116

Course Title (long)

Production & Storyboarding: Photoshop

Course Description

This course introduces students to fundamental concepts, principles, and practices of digital imaging for animation, game development and 3D Design. Students will manipulate digital images for animation and design applications. Students will use visual storytelling concepts to produce storyboards and an animatic. Students will use Photoshop software and storyboarding software to complete their projects.

Credit Hours

Min:

3

Billing Hours

Min:

3

School

School of STEAM

Division

Division of Arts, Design,
Science & Technology

Department(s) ~*

Art

Syllabus (Ctrl + click)

[DIGM116](#)

Course Learning Outcomes

Name DIGM116 - CLO 1 Justification (Creative Expression, Technological Literacy, Critical Thinking)	Outcome Students will complete a series of exercises demonstrating their understanding of the functions and attributes of each tool in Photoshop's toolbox.

Name DIGM116 - CLO 2 Justification (Creative Expression, Technological Literacy, Critical Thinking)	Outcome Students will successfully complete a series of images to demonstrate their proficiency in the use layers, layer effects, masks and filters to create special effects with Photoshop software.

	Outcome Students will render a series of images based upon render passes, image reconstruction and photo collage with Photoshop software.
Name DIGM116 - CLO 3	
Justification (Creative Expression, Technological Literacy, Critical Thinking)	

	Outcome Students will create a visual storytelling script, design original characters for the story and use Storyboard Pro software to create a storyboard and animatic.
Name DIGM116 - CLO 4	
Justification (Creative Expression, Technological Literacy, Critical Thinking)	

	Outcome Students will submit a portfolio of all assignments for final critique and evaluation.
Name DIGM116 - CLO 5	
Justification (Creative Expression, Technological Literacy, Critical Thinking)	

DIGM122 - Maya II: Fundamentals

Course Information

Course Number
122

Course Title (long)
Maya II: Fundamentals

Course Description
The course is a series of project-based lessons designed to guide students through the process of creating and generating an animation. This course teaches students how to model, animate, texture map, add visual effects and render using the Maya software.(Prerequisites: DIGM-121)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[DIGM122](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: DIGM121 - 3D Modeling

Course Learning Outcomes

Students will be able to:

Name DIGM122 - CLO 1	Outcome Navigate the Maya user interface.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

Name DIGM122 - CLO 2	Outcome Model a character using the NURBS modeling tools.

Justification (Technological Literacy, Critical Thinking, Creative Expression)

Name DIGM122 - CLO 3	Outcome Include textures, lights, particles and Maya Paint Effects into their finished projects.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

Name DIGM122 - CLO 4	Outcome Build shading groups using various types of texture maps and create textures using projections and using the 3D Paint Tool.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

Name DIGM122 - CLO 5	Outcome Render single frames and render short animated sequences.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

DIGM125 - Digital Editing: Composite

Course Information

Course Number 125
Course Title (long) Digital Editing: Composite
Course Description Students will learn to use a node-based digital video interface to create composites for motion graphics and visual effects. Students will use Composite?s non-linear interface and extensive tool sets, in addition to operators and expressions, to create scenes in 2D and 3D environments. (Prerequisites: DIGM-115 and DIGM-121)

Credit Hours

Min: 3

Billing Hours

Min: 3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click) DIGM125

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - DIGM115 - Digital Editing: After Effects - DIGM121 - 3D Modeling

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name DIGM125 - CLO 1	Outcome Navigate the Composite interface to create 2D and 3D composites of video and animation.
Name DIGM125 - CLO 2	Outcome Demonstrate an understanding of image editing for motion graphics and visual effects as well as workflow for compositing.

Name DIGM125 - CLO 3	Outcome Present projects for critique.
Name DIGM125 - CLO 4	Outcome Develop a portfolio of exercises that demonstrate their understanding of visual literacy.

DIGM126 - Digital Modeling: ZBrush

Course Information

Course Number 126
Course Title (long) Digital Modeling: ZBrush
Course Description Students will use ZBrush146s high-level controls and applications for 3D modeling and texturing. ZBrush146s Subdivisional surface modeler will be used for model creation and manipulation. This course includes the fundamentals of the ZBrush interface; the 3D edit mode; texturing techniques; Zspheres modeling; displacement; and rendering within ZBrush.(Prerequisites: DIGM-121 and ARTS-111)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[DIGM126](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - DIGM121 - 3D Modeling - ARTS111 - Drawing I

Course Learning Outcomes

Students will be able to:

Name DIGM126 - CLO 1	Outcome Navigate the ZBrush interface to create high-end models and details.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

Name DIGM126 - CLO 2	Outcome Create polygonal and subdivisional modeling, and workflow between Maya and ZBrush.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

Name DIGM126 - CLO 3	Outcome Create material using Zbrush's intuitive texture painting.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

Name DIGM126 - CLO 4	Tags Analyze, Identify
Outcome Develop a portfolio of exercises that demonstrate their understanding of polygon weight, and both realistic and artistic textures.	Justification (Technological Literacy, Critical Thinking, Creative Expression)

DIGM221 - Maya III: Rendering

Course Information

Course Number 221
Course Title (long) Maya III: Rendering
Course Description Students will light 3D scenes, set-up shading networks and render 3D images with alpha channels for compositing. Students will demonstrate an understanding of composition through lighting, camera, and color manipulation. Students will establish a digital lighting design methodology. (Prerequisites: DIGM-122)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[DIGM221](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: DIGM122 - Maya II: Fundamentals

Course Learning Outcomes

Name DIGM221 - CLO 1	Outcome Students will establish a methodology for digital lighting design.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

Name DIGM221 - CLO 2	Outcome Students will demonstrate an understanding of shading techniques and applications.

Justification (Technological Literacy, Critical Thinking, Creative Expression)

Name DIGM221 - CLO 3	Outcome Students will demonstrate an understanding of composition through lighting, camera, and color.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

Name DIGM221 - CLO 4	Outcome Students will demonstrate the ability to offer both technical and aesthetic criticisms of their work and the work of their peers.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

DIGM222 - Maya Iv: Adv Modeling & Character Rigging

Course Information

Course Number 222
Course Title (long) Maya Iv: Adv Modeling & Character Rigging

Course Description
Students will build a standard bipedal skeleton with properly aligned rotation axes character rig. Students will construct a Full Body IK control rigging and skin for the model. The character setup and rigging techniques will include kinematics and inverse kinematics, and deformers. Expressions will be used to animate particles. (Prerequisites: DIGM-221)

Credit Hours
Min: 3

Billing Hours
Min: 3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[DIGM222](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: DIGM221 - Maya III: Rendering

Course Learning Outcomes

Name DIGM222 - CLO 1	Outcome Students will establish a methodology for character modeling.
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

	Outcome Students will demonstrate an understanding of edge loop modeling techniques.
Name DIGM222 - CLO 2	
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

	Outcome Students will demonstrate an understanding of basic character rigging set ups.
Name DIGM222 - CLO 3	
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

	Outcome Students will demonstrate the ability to offer both technical and aesthetic criticisms of their work and the work of their peers.
Name DIGM222 - CLO 4	
Justification (Technological Literacy, Critical Thinking, Creative Expression)	

DIGM225 - Digital Design and Production

Course Information

Course Number
225

Course Title (long)
Digital Design and Production

Course Description
This course is a design and production project for Digital Media Arts students enrolled in Digital Animation & 3D Design, Game Development, Design Option and Game Development, Programming Option. Students will produce a high-quality original game or animation product. The project begins with the creation of the original concept, continues with storyboarding, and ends with post-production processing. The student will document each stage of the projects development. The project will be presented for critique and evaluation at each of the developmental stages. (Prerequisites: DIGM-221 or permission of instructor)

Credit Hours

Min:
6

Billing Hours

Min:
6

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[DIGM225](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Courses:
DIGM221 - Maya III: Rendering
OR
Criteria 2
OR:
Permission of instructor.

DIGM235 - Previsualization & Career Development

Course Information

Course Number
235

Course Title (long)
Previsualization & Career Development

Course Description
In this course, students will be introduced to the various career paths within digital animation and game design. Students will research the particular skills needed for a specific career path and will develop a project idea tailored to help introduce them to that industry. Students will complete previsualization materials (storyboards, designs, flowcharts, etc) to make that project a reality. The project will be completed in DIGM 298. Students will be instructed in putting together a resume and website to showcase their skills.

Credit Hours

Min:
1

Billing Hours

Min:
1

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[DIGM235](#)

Course Learning Outcomes

Name DIGM235 - CLO 1	Outcome Develop resume writing skills and promotional materials.
Name DIGM235 - CLO 2	Outcome Gain understanding of the careers within digital animation and game design.
Name DIGM235 - CLO 3	Outcome Create previsualization materials.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - DIGM122 - Maya II: Fundamentals OR GAME105 - Introduction to Unity - DIGM221 - Maya III: Rendering OR GAME206 - Game Level Design
Corequisite Type Corequisite
Career Studies Enroll in the following Courses: DIGM221 - Maya III: Rendering OR GAME206 - Game Level Design

DIGM298 - Design and Production Capstone

Course Information

Course Number
298

Course Title (long)
Design and Production Capstone

Course Description
This course is a design and production project for Digital Animation and Game Design students. Students will produce a high-quality original game or animation product. This project will be a continuation of the ideas created in DIGM 235 (Pre-Visualization and Career Development). The student will document each state of the project's development. The project will be presented for critique and evaluation at each of the developmental stages.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[DIGM298](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- DIGM235 - Previsualization & Career Development

Course Learning Outcomes

Name DIGM298 - CLO 1	Outcome Students will create workflow for 3D animation.
Name DIGM298 - CLO 2	Outcome Students will demonstrate an understanding of time management along a 3D work environment.

Name DIGM298 - CLO 3	Outcome Students will demonstrate knowledge of 3D techniques.
Name DIGM298 - CLO 4	Outcome Students will demonstrate the ability to offer both technical and aesthetic criticisms of their work and the work of their peers.
Name DIGM298 - CLO 5	Outcome Develop functional coding utilizing appropriate game programming language.

DRFT106 - Fundamentals of Basic Drafting

Course Information

Course Number
106

Course Title (long)
Fundamentals of Basic Drafting

Course Description
This course is intended for the student who has not had any previous experience with drafting. The student will become familiar with the basics of mechanical drawings and basic drafting procedure. The student will learn to use the basic tools of drafting in the preparation of engineering drawings. (Prerequisite: Math-021, Math-025 or satisfactory completion of the College's foundational studies requirement in algebra)

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Algebra

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in algebra.

ECHSTUTR - Early College High Sch Tutor

Course Information

Course Number
TUTR

Course Title (long)
Early College High Sch Tutor

Credit Hours
Min:
0

Billing Hours
Min:
0

ECON105 - Macro Economics

Course Information

Course Number
105

Course Title (long)
Macro Economics

Course Description
Students will understand how a market economy operates using the fundamental principles of supply and demand. They will be able to relate the significance of unemployment, inflation and other indicators to our nation's economy. They will be able to explain the effects of monetary and fiscal policy and the impact of foreign trade on the phenomenon of economic growth(Prerequisites: MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-092 or READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Economics

Syllabus (Ctrl + click)
[ECON105](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Computation

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Computation](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in computation.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ECON105 - CLO 1	Outcome Identify and analyze historical and/or societal issues as they impact current and future trends in the U.S. and global macro economies.
Name ECON105 - CLO 2	Outcome Think clearly, critically and creatively to analyze information, identify solutions, make logical decisions and solve problems related to macroeconomic issues.
Name ECON105 - CLO 3	Outcome Analyze and solve problems and interpret the results within the context of theoretical macroeconomic applications.

ECON106 - Micro Economics

Course Information

Course Number
106

Course Title (long)
Micro Economics

Course Description
Students will understand principles of supply and demand including sensitivity analysis to price, income and utility. They will analyze cost under various market structures. Both the output and input markets will be examined. (Prerequisites: MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-092 or READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing) income and utility. They will analyze cost under various market structures. Both the output and input markets will be examined. (Prerequisites: MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-092 or READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Economics

Syllabus (Ctrl + click)
[ECON106](#)

Course Requirements

Simple Requisites

Prerequisite Type	Prerequisite
	Foundational Studies Requirement in Computation
	Fulfill ANY of the following requirements:
	Criteria 1
	Complete at least 1 courses in the following course sets:
	Foundational Studies Requirement in Computation
	OR
	Criteria 2

OR:	Satisfactory completion of the College's foundational studies requirement in computation.
Foundational Studies Requirement in Reading	
Fulfill ANY of the following requirements:	
Criteria 1	
Complete at least 1 courses in the following course sets:	
Foundational Studies Requirement in Reading	
OR	
Criteria 2	
OR:	
Satisfactory completion of the College's foundational studies requirement in reading.	
Foundational Studies Requirement in Writing	
Fulfill ANY of the following requirements:	
Criteria 1	
Complete ALL of the following Course Sets:	
Foundational Studies Requirement in Writing	
OR	
Criteria 2	
OR:	
Satisfactory completion of the College's foundational studies requirement in writing.	

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ECON106 - CLO 1	Outcome Identify and analyze historical and/or societal issues as they impact current and future U.S. and global microeconomic trends.
Name ECON106 - CLO 2	Outcome Think clearly, critically and creatively to analyze information, identify solutions, logical decisions and solve problems related to microeconomic issues.
Name ECON106 - CLO 3	Outcome Use mathematical skills and methods to organize information and develop and test microeconomic conjectures/theories.

Name ECON106 - CLO 4	Outcome Analyze and solve problems and interpret the results within the context of theoretical microeconomic applications.
Name ECON106 - CLO 5	Outcome Collect, analyze, organize and evaluate information from a variety of sources, as well as synthesize, document and present that information in a written format.

ECON107 - Economics

Course Information

Course Number
107

Course Title (long)
Economics

Course Description
This intensive course for non-business students combines macro and micro economics theory. It is designed to acquaint students with the nature of the market system and the major issues and problems affecting our economy. Students will understand the basic theoretical principles of demand theory, cost and price, equilibrium analysis and application to decision-making in the firm. Students will also understand the basic theoretical principles of production possibilities, national income accounts, consumption, investment, monetary and fiscal policies and problems of employment and price levels. ECON 107 is a condensed combination of ECON 105 and ECON 106. Therefore, a student will not receive credit for ECON 107 in addition to ECON 105 and ECON 106. Also, since ECON 107 is not a comprehensive combination of ECON 105 and ECON 106, it cannot be used in place of the two. (Prerequisites: MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation, READ-092 or READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Economics

Syllabus (Ctrl + click)
[ECON107](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Computation
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Computation
OR

Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in computation.			
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: <table border="1"> <tr> <td> Criteria 1 Complete at least 1 courses in the following course sets: <u>Foundational Studies Requirement in Reading</u> </td> </tr> <tr> <td> ————— OR ————— </td> </tr> <tr> <td> Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in reading. </td> </tr> </table>	Criteria 1 Complete at least 1 courses in the following course sets: <u>Foundational Studies Requirement in Reading</u>	————— OR —————	Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in reading.
Criteria 1 Complete at least 1 courses in the following course sets: <u>Foundational Studies Requirement in Reading</u>			
————— OR —————			
Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in reading.			
Foundational Studies Requirement in Writing Fulfill ANY of the following requirements: <table border="1"> <tr> <td> Criteria 1 Complete ALL of the following Course Sets: <u>Foundational Studies Requirement in Writing</u> </td> </tr> <tr> <td> ————— OR ————— </td> </tr> <tr> <td> Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in writing. </td> </tr> </table>	Criteria 1 Complete ALL of the following Course Sets: <u>Foundational Studies Requirement in Writing</u>	————— OR —————	Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in writing.
Criteria 1 Complete ALL of the following Course Sets: <u>Foundational Studies Requirement in Writing</u>			
————— OR —————			
Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in writing.			

Name ECON107 - CLO 3	Outcome Use mathematical skills and methods to organize information and develop and test economic conjectures/theories.
Name ECON107 - CLO 4	Outcome Analyze and solve problems and interpret the results within the context of theoretical economic applications.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ECON107 - CLO 1	Outcome Identify and analyze historical and/or societal issues as they impact current and future U. S. and global economic trends.
Name ECON107 - CLO 2	Outcome Think clearly, critically and creatively to analyze information, identify solutions, make logical decisions and solve problems related to macro and micro economic issues.

ECON225 - Business Statistics

Course Information

Course Number
225

Course Title (long)
Business Statistics

Course Description
Students will summarize statistical data, both graphically and as measures of center and dispersion. Discrete and continuous probability, sampling techniques, distributions, hypothesis testing, confidence intervals, regression, time series analysis and index numbers are also covered. (Prerequisite: MATH-021, MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Economics

Syllabus (Ctrl + click)
[ECON225](#)

Name
ECON225 - CLO 1

Outcome
Use mathematical skills and methods to organize information and develop and test conjectures regarding measures of center and dispersion, discrete and continuous probabilities, inferential statistics, and forecasting techniques.

Name
ECON225 - CLO 2

Outcome
Analyze and solve problems and interpret the results within the context of practical business applications. The course content is designed to provide the student with the skills and techniques to think clearly, critically and creatively to analyze information and identify solutions for business decision-making.

Name
ECON225 - CLO 3

Outcome
Utilize computer systems and analyze the results in completing the required Excel assignments.

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Algebra

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in algebra.

Course Learning Outcomes

Upon completion of this course, students will be able to:

- ECON105 - Macro Economics
- ECON106 - Micro Economics

— OR

Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in reading.			
Foundational Studies Requirement in Writing Fulfill ANY of the following requirements: <table border="1"> <tr> <td> Criteria 1 Complete ALL of the following Course Sets: <u>Foundational Studies Requirement in Writing</u> </td> </tr> <tr> <td align="center"> OR </td> </tr> <tr> <td> Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in writing. </td> </tr> </table>	Criteria 1 Complete ALL of the following Course Sets: <u>Foundational Studies Requirement in Writing</u>	OR	Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in writing.
Criteria 1 Complete ALL of the following Course Sets: <u>Foundational Studies Requirement in Writing</u>			
OR			
Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in writing.			

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name EDEC105 - CLO 1	Outcome Develop a career plan that includes goals and objectives that they will endeavor to meet in a professional way.
Name EDEC105 - CLO 2	Outcome Identify and develop a sensitivity to the various professional roles, their interaction and impact on delivery of early childhood education
Name EDEC105 - CLO 3	Outcome Evaluate the impact of the history, movements and trends of Early Childhood Education in the U.S., to include the past and the present with a specific focus on recent trends.
Name EDEC105 - CLO 4	Outcome Identify the development of children along social, emotional, cognitive and physical constructs with an emphasis on the emergent processes of development.

Name EDEC105 - CLO 5	Outcome Explain the processes of developmentally appropriate practices as applied to a variety of early childhood education models.
Name EDEC105 - CLO 6	Outcome Examine the roles and relationships among the various family structures, community opportunities and cultural influences that impact the developing young child.
Name EDEC105 - CLO 7	Outcome Evaluate the impact that policies and governments have on local programs and services for children with special needs in early childhood settings.
Name EDEC105 - CLO 8	Outcome Apply technology in planning teaching and learning activities within appropriate early childhood curriculum delivery methods .
Name EDEC105 - CLO 9	Outcome Analyze the purposes and applications of a variety of assessment tools and reporting methods used in early childhood education.
Name EDEC105 - CLO 10	Outcome Demonstrate an introductory understanding of emergent literacy skills and the connection literacy has to academic success.

EDEC199 - Early Childhood Education Field Experience

Course Information

Course Number
199

Course Title (long)
Early Childhood Education Field Experience

Course Description
Students who have completed EDEC 105 as a part of the Education AA option Early Childhood Education, with a grade of B or better, are required to complete 60 hours field experience, 30 hours are to be completed in an early learning enviroment, 30 hours to be completed in a k-3 setting. Observation sites must be licensed and meet with department approval. Field observations are required to meet transferability of EDEC 105 to four-year institutions and certification options. (Prerequisite : Completion of EDEC 105, Foundations of Early Childhood Education, with a grade of B or better. Attendance at a mandatory orientation and seminar session.)

Credit Hours

Min:
0

Billing Hours

Min:
0

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "B" in the following: EDEC105 - Foundations of Early Childhood Education
Career Studies II Fulfill ALL of the following requirements: Attendance at a mandatory orientation and seminar session.

EDEC200 - The Science of Math Literacy and Conceptual Development

Course Information

Course Number
200

Course Title (long)
The Science of Math Literacy and Conceptual Development

Course Description
This course prepares students for mathematics literacy skills and conceptual development as foundational mathematics teacher dispositions. It is tailored for individuals aspiring to become teachers or as instructional assistants for the PreK through 3rd grade and for the K-5 elementary education setting. The course builds positive mathematics dispositions applied to the science of mathematics literacies and conceptual development. General mathematics literacies and learning principles include number concepts, subitizing, and problem-based approaches for mathematics instruction. Emphasis is placed on research-based, developmentally appropriate teaching practices that support effective learning trajectories in mathematics.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Syllabus (Ctrl + click)
[EDEC-200](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Math Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: - Foundational Studies Requirement in Algebra OR Criteria 2 OR: - Satisfactory completion of the Foundational Studies Math testing requirements.

Course Learning Outcomes

Name EDEC200 - CLO 1	Outcome Developmental processes as applied to the science of mathematics instruction in play based and general education academic settings.
Name EDEC200 - CLO 2	Outcome Synthesized applications of the science of mathematics instruction for number concepts, subitizing and problem based instruction and learner applications .
Name EDEC200 - CLO 3	Outcome Analyzed learner trajectories their processes and goals.
Name EDEC200 - CLO 4	Outcome Evaluate effective Inclusive mathematics education principles and practices in general education settings.
Name EDEC200 - CLO 5	Outcome Align New Jersey mathematics education standards with effective mathematics instructional processes and modeled practices.

EDEC295 - Special Project - Early Childhood Education

Course Information

Course Number 295
Course Title (long) Special Project - Early Childhood Education
Course Description The student will work independently on a project agreed upon with the instructor. (Prerequisites: Completion of six credits in education courses and instructor approval)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Education

Syllabus (Ctrl + click)
[EDEC295](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Fulfill ALL of the following requirements: - Completion of six credits in education courses. - Instructor approval.

EDEC299 - Early Childhood Internship

Course Information

Course Number
299

Course Title (long)
Early Childhood Internship

Course Description
The student will participate in a 15 week field experience in a county school or agency designed to provide fifteen hours per week of on-the-job experience for early childhood education students. (Prerequisites: Completion of six credits in Education courses, permission of the instructor and Career Services Representative)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Syllabus (Ctrl + click)
[EDEC299](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- Completion of six credits in Education courses.
- Permission of the instructor and Career Services Representative.

EDUC105 - Introduction to Education

Course Information

Course Number
105

Course Title (long)
Introduction to Education

Course Description
The student will identify and define current issues in education and describe various philosophical viewpoints in education. Students interested in teaching secondary education or special education are recommended to take EDUC 217 as a follow-up to this course. Students interested in teaching early childhood education or general elementary education are recommended to take EDUC 217 or EDUC 225 as a follow-up. The EDUC field work lab (EDUC 199) and a grade of B or better are required for successfully transferring this course to most four-year institutions for education majors.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Syllabus (Ctrl + click)
[EDUC105](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name EDUC105 - CLO 1	Outcome Examine the major topical issues in public education.
Name EDUC105 - CLO 2	Outcome Examine the impact of Social and Emotional Learning on curriculum, effective practices and inclusive learning environments.
Name EDUC105 - CLO 3	Outcome Evaluate the impact of current trends in education on the public school system.

Name EDUC105 - CLO 4	Outcome Describe the four primary philosophies on which educational theories are grounded.
Name EDUC105 - CLO 5	Outcome Differentiate between the pedagogical practices of the philosophies and educational theories and evaluate the strengths and weaknesses of each.

EDUC125 - Global Competency in Culturally Responsive Classrooms

Course Information

Course Number
125

Course Title (long)
Global Competency in Culturally Responsive Classrooms

Course Description
The purpose of this course is to immerse the preservice teacher in the key principles, research, and effective practices that apply to multicultural, culturally responsive, and globally competent teaching. Key concepts are drawn from research, readers, online sources, and authentic applications which are intentionally selected to develop critical analytical skills, cultural and global competencies, and culturally responsive professional dispositions.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Syllabus (Ctrl + click)
[EDUC-125](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading <i>*Must be READ-095</i> OR OR: - Satisfactory completion of the College's foundational studies requirement in reading.
Foundational Studies Requirement in Writing Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Name EDUC125 - CLO 1	Outcome Analyze diverse student population characteristics that reflect upon culturally responsive teacher practices.
Name EDUC125 - CLO 2	Outcome Demonstrate effective intercultural communication knowledge, skills and dispositions that are represented by globally competent teachers.
Name EDUC125 - CLO 3	Outcome Synthesize current education research and contexts that inform multicultural classroom practices and that which are enhanced by education professional organizations and relevant local support systems.

EDUC199 - Education Field Experience

Course Information

Course Number

199

Course Title (long)

Education Field Experience

Course Description

Students who have completed EDUC 105, Introduction to Education, with a grade of B or better, are required to complete 60 hours of observation in an approved academic setting to ensure transferability of EDUC 105 to a four-year institution. (Prerequisites: A grade of at least a "B" or better in EDUC-105. Attendance at a mandatory orientation session)

Credit Hours

Min:

0

Billing Hours

Min:

0

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies I

Earn a minimum grade of "B" in the following:

- EDUC105 - Introduction to Education

Career Studies II

Fulfill ALL of the following requirements:

- Attendance at a mandatory orientation session.

EDUC216 - Classroom Techniques

Course Information

Course Number
216

Course Title (long)
Classroom Techniques

Course Description
The student will be able to identify and apply various teaching methods used in presentation of materials. Techniques such as discussion, lecture, role playing, demonstrations, games, field trips, computer instruction, etc., will be explained and illustrated. The methods covered will have wide applicability to all levels and subjects. Students will analyze core content standards and core knowledge standards and apply both to lesson plans and general lesson delivery processes.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Syllabus (Ctrl + click)
[EDUC-216](#)

Name
EDUC216 - CLO 5

Outcome
Align lesson goals and teacher practices for Social & Emotional Learning with current expectations for student mental health and well-being.

Name
EDUC216 - CLO 6

Outcome
Align lesson objectives, strategies and assessments among the various lesson planning models with the core standards and core knowledge benchmarks.

Course Learning Outcomes

Upon successful completion of this course, students will be able to:

Name
EDUC216 - CLO 1

Outcome
Identify various dimensions of teaching strategies and evaluate impact on successful teaching.

Name
EDUC216 - CLO 2

Outcome
Analyze information appropriate to various teaching situations.

Name
EDUC216 - CLO 3

Outcome
Identify solutions and evaluate appropriateness for lesson planning.

Name
EDUC216 - CLO 4

Outcome
Make logical decisions and solve problems as they relate to planning lessons for various teaching situations.

EDUC217 - Students with Disabilities in Inclusive and Special Education

Course Information

Course Number
217

Course Title (long)
Students with Disabilities in Inclusive and Special Education

Course Description
This course is designed to meet the needs of individuals pursuing a career in both special education and general education fields and will address the continuum of special services from early childhood through 12th grade. Students will analyze the implications, and the characteristics of disabilities identified under the Individuals with Disabilities Act. In this course, students will examine inclusive and specialized educational programs which incorporate evidence-based strategies and accommodations designed to meet the needs of children with disabilities. Through onsite visitations students will gain an appreciation for and evaluate local special services, programs, and special education professionals as field observation experiences. In alignment with the NJ Professional Standards for Teachers, students will complete the course with a solid foundational understanding of the unique needs of exceptional children, thereby enhancing the preservice teacher's ability to support student educational and social growth.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Syllabus (Ctrl + click)
[EDUC217](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name EDUC217 - CLO 1	Outcome Examine the characteristics and educational implications of the disabilities classified under IDEA.
Name EDUC217 - CLO 2	Outcome Observe and evaluate current practices and issues in special education during a field visit to a school designed to meet the needs of students with disabilities.

Name EDUC217 - CLO 3	Outcome Evaluate the principles of Social and Emotional Learning (SEL) and the emphasis of tolerance, inclusion, and positive support strategies for diverse learners.
Name EDUC217 - CLO 4	Outcome Develop educational programs to address the unique needs of children with disabilities, employing evidence-based strategies and inclusive teaching methodologies.
Name EDUC217 - CLO 5	Outcome Students will analyze the impact of major laws and policies governing special education, such as the Individuals with Disabilities Education Act (IDEA), Section 504 of the Rehabilitation Act, and the Americans with Disabilities Act (ADA), noting their implications for educational practices and students' rights.

EDUC225 - Literacy Development and Instruction

Course Information

Course Number
225

Course Title (long)
Literacy Development and Instruction

Course Description
This course is designed to give students a foundation in the theory and practices of literacy development as they pertain to the processes by which children learn to read and write. Students will be able to recognize the relationships between phonemic awareness, phonics, word recognition, vocabulary and fluency, as well as the complex skills required to develop comprehension in all content areas. Students will also explore the interrelatedness in the development of reading and writing skills and the impact of diverse learners and multicultural issues on the curriculum. Upon completion of the course, students will have developed a foundation in the scientifically research based instructional methods and activities that drive current pedagogical practices. (Prerequisite: EDUC-105 or EDEC-105; Prerequisites or Corequisites: READ-091/092 and READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Education

Syllabus (Ctrl + click)
[EDUC225](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ANY of the following Courses: - EDUC105 - Introduction to Education - EDEC105 - Foundations of Early Childhood Education
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading

OR
Criteria 2
OR: Satisfactory completion of the College's foundational studies requirement in reading.
Foundational Studies Requirement in Writing
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Course Sets: Foundational Studies Requirement in Writing
OR
Criteria 2
OR: Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name EDUC225 - CLO 1	Outcome Examine the phases of literacy development and the research-based pedagogical approaches used in instructional delivery.
Name EDUC225 - CLO 2	Outcome Implement lesson plans employing developmentally appropriate practices, social and emotional learning and pedagogically sound instruction.
Name EDUC225 - CLO 3	Outcome Analyze the impact of diversity and multi-cultural issues on curriculum and pedagogy.
Name EDUC225 - CLO 4	Outcome Evaluate the appropriateness of literacy materials for curriculum development.

ELEC101 - Computer Aided Circuit Analysis

Course Information

Course Number
101

Course Title (long)
Computer Aided Circuit Analysis

Course Description
This course will introduce the student to the hardware and software of an Advanced Personal Computer Workstation, Windows, E-mail, Microsoft Word, and the use of PSpice 9.2, an Electronic Circuit Analysis Program with schematic capture. The student will use the computer to draw various electronic circuits, and perform DC, AC, and Transient Analysis to simulate circuit operation under both normal and extreme operating conditions.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ELEC101 - CLO 1	Outcome Use a personal computer, the Windows operating system, Microsoft Word, e-mail, the internet and peripherals to generate and submit computer-aided circuit analysis reports.
Name ELEC101 - CLO 2	Outcome Recognize various schematic symbols.
Name ELEC101 - CLO 3	Outcome Use the PSpice Schematic Editor to draw and edit a variety of circuit schematics.

ELEC103 - Electrical Skills and Techniques

Course Information

Course Number
103

Course Title (long)
Electrical Skills and Techniques

Course Description
Students will be able to operate standard analog laboratory instruments including the VOM, oscilloscope, audio generator and frequency counter. They will be able to solder PC board connections for IC chips, sockets and standard components. Wire-wrap techniques will also be utilized. Students will collect data and display the data using proper graphing techniques on appropriate graph paper. The student will be able to use the scientific calculator utilizing the majority of the scientific functions on the calculator. The student will be able to use Ohm's law to solve series, parallel and series-parallel DC circuits. (Prerequisite or Corequisite: MATH-022, MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC103](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Algebra Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Algebra OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in algebra.
Corequisite

Type

Corequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

Foundational Studies Requirement in Algebra

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in algebra.

Course Learning Outcomes

Upon completion of this course, students will be able to:

	Tags
	Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Technological Competency (Technology)
Name	
ELEC103 - CLO 1	
Outcome	
Build electrical circuits and take measurements (Mathematical/Scientific Reasoning, Technological Literacy)	

	Tags
	Critical Thinking
Name	
ELEC103 - CLO 2	
Outcome	
Interpret data (Critical Thinking)	

	Tags
	Written and Oral Communication (Communication)
Name	
ELEC103 - CLO 3	
Outcome	
Create and write laboratory reports (Communication).	

ELEC111 - Electrical Circuits I

Course Information

Course Number

111

Course Title (long)

Electrical Circuits I

Course Description

Students will use basic electrical quantities and analyze series, parallel and series-parallel DC circuits. They will be able to employ Kirchoff's Laws and the various network theorems to simplify and systematically attack complex DC circuit problems. In addition, students will be able to design simple meter circuits and determine the correct type of electrical instrument for a particular application.
NOTE: This course is offered only in the Spring term. (Prerequisites or Corequisites: ELEC-103 and MATH-151)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC111](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

ELEC103 - Electrical Skills and Techniques

MATH151 - Intermediate Algebra

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

ELEC103 - Electrical Skills and Techniques

MATH151 - Intermediate Algebra

ELEC112 - Electrical Circuits II

Course Information

Course Number
112

Course Title (long)
Electrical Circuits II

Course Description
At the conclusion of this course, the student will be able to analyze complex AC circuits comprised of resistors, capacitors, and inductors, and use the j operator (complex algebra) to calculate impedance, currents, voltages, and phase angles. She/he will be able to use standard laboratory test equipment such as the oscilloscope, VOM, DMM, audio generator, frequency counter, and others to measure and verify calculated values. NOTE: This course is offered only in the Fall term.(Prerequisites: ELEC 111 and MATH 151)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC112](#)

Name ELEC112 - CLO 1	Outcome Design and build electrical circuits.
Name ELEC112 - CLO 2	Outcome Take measurements.
Name ELEC112 - CLO 3	Outcome Analyze measured data.
Name ELEC112 - CLO 4	Outcome Demonstrate that data.
Name ELEC112 - CLO 5	Outcome Verify electrical circuit theory.
Name ELEC112 - CLO 6	Outcome Read and interpret data.
Name ELEC112 - CLO 7	Outcome Write laboratory reports according to professional standards.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Complete ALL of the following Courses: - ELEC111 - Electrical Circuits I - MATH151 - Intermediate Algebra
Corequisite Type Corequisite	Career Studies Enroll in the following Courses: - ELEC111 - Electrical Circuits I - MATH151 - Intermediate Algebra

Course Learning Outcomes

Upon completion of this course, students will be able to:

ELEC131 - Electrical Circuits for Power Distribution I

Course Information

Course Number
131

Course Title (long)
Electrical Circuits for Power Distribution I

Course Description
This course is specifically designed for students in the Electric Utility Technology program. At the conclusion of this course, the student will be able to analyze and measure series, parallel, series-parallel, and bridge circuits. Additionally, the student will apply the basic laws of meter circuits and various circuit analysis techniques including Kirchoff's laws, Mesh Analysis, Nodal Analysis, Thevenin's Theorem, and Norton's Theorem. Note: This course is offered only in the Spring term. (Prerequisites: A grade of "C" or higher in ELEC 103)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC131](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
ELEC103 - Electrical Skills and Techniques

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ELEC131 - CLO 1	Design and build electrical circuits.
ELEC131 - CLO 2	Take measurements, read and interpret data.

Name	Outcome
ELEC131 - CLO 3	Use Excel to enter and chart data.
Name	Outcome
ELEC131 - CLO 4	Write laboratory reports according to professional standards.
Name	Outcome
ELEC131 - CLO 5	Analyze measured data and demonstrate that calculated and measured data verify electric circuit theory.

ELEC132 - Electrical Circuits for Power Distribution II

Course Information

Course Number
132

Course Title (long)
Electrical Circuits for Power Distribution II

Course Description
This course is specifically designed for students in the Electric Utility Technology Program. At the conclusion of this course, the student will be able to analyze complex AC circuits comprised of resistors, capacitors, and inductors, and use the j operator (complex algebra) to calculate impedance, currents, voltages, and phase angles. The student will be able to use standard laboratory test equipment such as the oscilloscope, VOM, DMM, audio generator, frequency counter and others to measure and verify calculated values. Note: This course is offered only in the Fall term. (Prerequisites: a grade of "C" or higher in ELEC 103 and ELEC 131)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC132](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- ELEC103 - Electrical Skills and Techniques - ELEC131 - Electrical Circuits for Power Distribution I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ELEC132 - CLO 1	Design and build electrical circuits.

Name	Outcome
ELEC132 - CLO 2	Make measurements.
Name	Outcome
ELEC132 - CLO 3	Read, interpret and analyze data.
Name	Outcome
ELEC132 - CLO 4	Demonstrate that data verified theory.
Name	Outcome
ELEC132 - CLO 5	Write laboratory reports according to professional standards.

ELEC151LAB - Router Internetworking Lab

Course Information

Course Number
151LAB

Course Title (long)
Router Internetworking Lab

Credit Hours
Min:
0

Billing Hours
Min:
0

Department(s) ~*
Engineering & Technology

ELEC152LAB - Virtual Lans & Wans/Ccna Lab

Course Information

Course Number
152LAB

Course Title (long)
Virtual Lans & Wans/Ccna Lab

Credit Hours
Min:
0

Department(s) ~*
Engineering & Technology

ELEC201 - Electrical Transmission and Distribution

Course Information

Course Number
201

Course Title (long)
Electrical Transmission and Distribution

Course Description
This course encompasses power transmission and distribution systems, components and analysis. Field trips to appropriate sites comprise the laboratory requirement. Note: This course is offered only in the Fall term. (Prerequisite: A grade of "C" or higher in ELEC 131)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC201](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
ELEC131 - Electrical Circuits for Power Distribution I

Course Learning Outcomes

In this course students will:

Name	Outcome
ELEC201 - CLO 1	Determine and analyze power system requirements
Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/ SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	

Name	Outcome
ELEC201 - CLO 2	Investigate typical power system layouts
Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/ SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	

Name	Outcome
ELEC201 - CLO 3	Apply AC circuit fundamentals to transmission systems and circuits.
Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/ SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	

Name	Outcome
ELEC201 - CLO 4	Utilize the basic power circuit approach in analyzing power transmission systems.
Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/ SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	

Name	Outcome
ELEC201 - CLO 5	Use percent and PU quantities in power transmission system analysis.
Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/ SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	

Name	Outcome
ELEC201 - CLO 6	Deal with fault in power transmission system analysis.
Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/ SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	

Name	Outcome
ELEC201 - CLO 7	Study machine impedance relations to fault conditions.

Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)

Name ELEC201 - CLO 8	Outcome Investigate circuit interrupting processes and their application to circuit breaker design.
Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	

Name ELEC201 - CLO 9	Outcome Analyze and specify system instrumentation requirements; analyze relaying systems.
Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	

ELEC202 - Switchgears, Transformers and Controls

Course Information

Course Number 202
Course Title (long) Switchgears, Transformers and Controls
Course Description This course covers low and high voltage circuit breakers and switchgear primarily from 4 kV to 15kV. It shows basic switchgear construction, how circuit breakers function and general maintenance of such equipment. The basic theory of transformers and connection schemes of common types of transformers, including dry and wet type distribution transformers, power transformers, and instrument transformers is explained. Control ladder and wiring diagrams, with input and output control devices are presented. Note: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in ELEC 131)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[ELEC202](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: ELEC131 - Electrical Circuits for Power Distribution I

Course Learning Outcomes

Name ELEC202 - CLO 1	Outcome Low and High Voltage Circuit Breakers and Switchgear: To develop the student's knowledge of circuit breakers and switchgear the student will know how circuit breakers extinguish an arc and how protective systems work in conjunction with the breakers.

Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	
Name ELEC202 - CLO 2 Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	Outcome Low and High Voltage Circuit Breakers and Switchgear: The student should be able to assist an experienced electrician in performing routine maintenance on both air circuit breakers and oil circuit breakers, and also perform certain electrical tests on the breakers. Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)
Name ELEC202 - CLO 3 Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	Outcome Transformers: To develop a basic understanding of transformer theory and transformer connection schemes, the student should be familiar with the common types of transformers, including dry and wet-type distribution transformers, power transformers, and instrument transformers. Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)
Name ELEC202 - CLO 4 Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)	Outcome Transformers: The student should be able to describe various transformer test procedures and explain the necessary safety precautions for each type of test. Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)
	Outcome Controls and Electric Wiring: The student will develop an understanding of control ladder logic; an ability to read wiring drawings; a knowledge of control input and output devices and their operation, and an ability to perform wiring in the lab. Name ELEC202 - CLO 5 Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)
	Outcome Controls and Electric Wiring: The student should be able to recognize the parts of a standard on-off control system; be able to assist an experienced electrician to wire and troubleshoot control circuits, and be qualified to interpret basic control drawings Name ELEC202 - CLO 6 Justification (This course teaches the following Core Competencies: CRITICAL THINKING, MATHEMATICAL/SCIENTIFIC REASONING, and TECHNOLOGICAL LITERACY)

ELEC225 - Fundamentals of Analog Electronic Devices

Course Information

Course Number
225

Course Title (long)
Fundamentals of Analog Electronic Devices

Course Description
This course introduces students to the active devices used in electronics circuits, and their theory of operation. It covers the characteristics and applications of semiconductor diodes, different transistor biasing methods and operational amplifiers. The applications will include amplifiers, rectifiers, op- amps, oscillators and timers. Laboratory experiments along with course projects are designed to support the theory and provide practical skills that students need to design, construct and analyze analog circuits. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in ELEC-111)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC225](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
ELEC111 - Electrical Circuits I

Course Learning Outcomes

Student outcomes are evaluated using graded assignments and design projects, quizzes, a midterm exam and a final exam. By their work on the exam, quizzes, and assignments, students will:

Name	Outcome
ELEC225 - CLO 1	Demonstrate the ability to identify, formulate, and solve electronic circuit problems.

Justification
(Core Competencies: Critical Thinking, Technological Literacy, Mathematical/ Scientific Reasoning)

Name	Outcome
ELEC225 - CLO 2	Demonstrate the ability to design a system or process to meet desired needs.
Justification	
(Core Competencies: Critical Thinking, Technological Literacy, Mathematical/ Scientific Reasoning)	

Name	Outcome
ELEC225 - CLO 3	Demonstrate the ability to use the techniques, skills, and modern engineering tools necessary for circuit design.
Justification	
(Core Competencies: Critical Thinking, Technological Literacy, Mathematical/ Scientific Reasoning)	

Name	Justification
ELEC225 - CLO 4	(Core Competencies: Critical Thinking, Technological Literacy, Mathematical/ Scientific Reasoning)

Name	Outcome
ELEC225 - CLO 5	Demonstrate the ability to conduct, analyze and interpret experiments and apply experimental results to improve processes.
Justification	
(Core Competencies: Critical Thinking, Technological Literacy, Mathematical/ Scientific Reasoning)	

Name	Outcome
ELEC225 - CLO 6	Apply Ohm's and Kirchhoff's laws to circuits with both dependent and independent sources.
Justification	
(Core Competencies: Critical Thinking, Technological Literacy, Mathematical/ Scientific Reasoning)	

Name	Outcome
ELEC225 - CLO 7	Perform basic dc and ac circuit analysis.

Justification (Core Competencies: Critical Thinking, Technological Literacy, Mathematical/Scientific Reasoning)

Name ELEC225 - CLO 8	Outcome Use standard lab equipment including oscilloscope, power supply, multi-meter and signal generator to make circuit measurements as well as to analyze and interpret data.
Justification (Core Competencies: Critical Thinking, Technological Literacy, Mathematical/Scientific Reasoning)	

Name ELEC225 - CLO 9	Outcome Use engineering circuit simulation/analysis software for sinusoidal, steady state and transient analysis, and to verify circuit design.
Justification (Core Competencies: Critical Thinking, Technological Literacy, Mathematical/Scientific Reasoning)	

Name ELEC225 - CLO 10	Outcome Function effectively on teams.
Justification (Core Competencies: Critical Thinking, Technological Literacy, Mathematical/Scientific Reasoning)	

Name ELEC225 - CLO 11	Outcome Demonstrate the ability to communicate effectively.
Justification (Core Competencies: Critical Thinking, Technological Literacy, Mathematical/Scientific Reasoning)	

ELEC241 - Introduction to Digital Circuits

Course Information

Course Number 241
Course Title (long) Introduction to Digital Circuits
Course Description This course is an introduction to the basic principles of digital electronics. Students will be able to quantitatively identify the fundamentals of computers, including number systems, logic gates, logic and arithmetic subsystems and integrated circuits. The student will gain the practical skills necessary to work with digital circuits through problem solving and hands-on laboratory experience with logic gates, encoders, flip-flops, counters, shift registers, adders, etc. The student will be able to analyze and design simple logic circuits using tools such as Boolean algebra and Karnaugh Mapping and will be able to draw logic diagrams using both the traditional logic symbols and the ANSI/IEEE Std 91-1984 symbols with dependency notation. NOTE: This course is offered only in the Fall term. (Prerequisite: A grade of "C" or higher in ELEC-103)

Credit Hours

Min: 4

Billing Hours

Min: 4

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click) ELEC241

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: ELEC103 - Electrical Skills and Techniques

Course Learning Outcomes

Name ELEC241 - CLO 1	Outcome In this course, the student is required to quantitatively identify the fundamentals of computers, including number systems, logic gates, logic and arithmetic subsystems, and integrated circuits.

Justification (Core Competencies: Communication; Mathematical/Scientific Reasoning; Critical Thinking; Technological Literacy)

Outcome S/he will gain the practical skills necessary to work with digital circuits through problem solving and hands on laboratory experience with logic gates, encoders, flip-flops, counters, shift registers, adders, etc.	Name ELEC241 - CLO 2
Justification (Core Competencies: Communication; Mathematical/Scientific Reasoning; Critical Thinking; Technological Literacy)	

Outcome The student will be able to analyze and design simple logic circuits using tools such as Boolean Algebra and Karnaugh Mapping, and will be able to draw logic diagrams using both the traditional logic symbols and IEEE/IEC Std. 91-1984 logic symbols with dependency notation.	Name ELEC241 - CLO 3
Justification (Core Competencies: Communication; Mathematical/Scientific Reasoning; Critical Thinking; Technological Literacy)	

ELEC295 - Special Project - Electronics Technology

Course Information

Course Number 295
Course Title (long) Special Project - Electronics Technology
Course Description A written proposal by the student detailing an independent course of study and project, and approval of enrollment by an Electronics Technology faculty member, is required for entry into this course. (Prerequisite: satisfactory completion of the first year of courses and approval of an Electronics Technology Faculty Advisor)

Credit Hours

Min:	Max:
1	4

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ALL of the following requirements: - Satisfactory completion of the first year of courses. - Approval of an Electronics Technology Faculty Advisor.

ELEC298 - Electronics Capstone Seminar

Course Information

Course Number
298

Course Title (long)
Electronics Capstone Seminar

Course Description
This course is designed to be the capstone course for the Electronics Technology program in which students will review and demonstrate all curriculum content areas previously learned in their Electronics Technology area of study. Through guided lessons and assignments, students will complete a series of electronics application projects. In addition, the student will write a summary report detailing the projects completed. This course is the final Electronics Technology course and should only be taken in the fourth or final semester.(Prerequisites: ELEC-112,ELEC-241, MATH-153 and ENGL-122; Prerequisite or Corequisite: ELEC-225)

Credit Hours
Min:
1

Billing Hours
Min:
1

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC298](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - ELEC112 - Electrical Circuits II - ELEC241 - Introduction to Digital Circuits - MATH153 - Pre-Calculus Mathematics - ENGL122 - English Composition: Writing and Research - ELEC225 - Fundamentals of Analog Electronic Devices
Corequisite Type Corequisite
Career Studies Enroll in the following Courses: ELEC225 - Fundamentals of Analog Electronic Devices

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ELEC298 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking, Information Literacy (Integrated Course Goal), Technological Competency (Technology)
Outcome Collaborate with faculty to plan and design electronics projects whose scope encompasses all skills and concepts previously learned through the students' progression in the program. (Core Competencies demonstrated: Mathematical/ Scientific Reasoning, Critical Thinking, Information Literacy, and Technological Literacy)	
Name ELEC298 - CLO 2	Tags Written and Oral Communication (Communication), Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking, Information Literacy (Integrated Course Goal), Technological Competency (Technology)
Outcome Analyze data obtained and summarize results in a detailed technical report. (Core Competencies demonstrated: Communication, Mathematical/ Scientific Reasoning, Critical Thinking, Information Literacy, and Technological Literacy)	

ELEC299 - Internship in Electronics

Course Information

Course Number
299

Course Title (long)
Internship in Electronics

Course Description
This is a four-month cooperative education work experience which provides students with industrial reinforcement of their academic programs through direct exposure to industrial situations and work assignments. This course may lead to professional relationships which could result in permanent employment before or after graduation. (Prerequisite: Permission of instructor and Career Services Representative)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ELEC299](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ALL of the following requirements:
Permission of instructor and Career Services Representative.

ENGI101 - Engineering Mechanics I

Course Information

Course Number
101

Course Title (long)
Engineering Mechanics I

Course Description
Subject includes classification of systems of forces, resultants, geometrical and analytical conditions for equilibrium of force systems, frames, trusses, friction, centers of gravity, moments of inertia, parabolic and catenary cables. NOTE: This course is offered only in the Fall term. (Prerequisites: A grade of "C" or higher in MATH 171 and PHYS 121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ENGI101](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- MATH171 - Calculus I - PHYS121 - General Physics I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGI101 - CLO 1	Outcome Apply the principles of engineering mechanics in the: Classification of force systems.
Name ENGI101 - CLO 2	Outcome Apply the principles of engineering mechanics in the: Resultants.

Name ENGI101 - CLO 3	Outcome Apply the principles of engineering mechanics in the: Conditions for equilibrium of force systems.
Name ENGI101 - CLO 4	Outcome Apply the principles of engineering mechanics in the: Frames and trusses.
Name ENGI101 - CLO 5	Outcome Apply the principles of engineering mechanics in the: Friction.
Name ENGI101 - CLO 6	Outcome Apply the principles of engineering mechanics in the: Centers of gravity.
Name ENGI101 - CLO 7	Outcome Apply the principles of engineering mechanics in the: Moments of inertia.

ENGI102 - Engineering Mechanics II

Course Information

Course Number
102

Course Title (long)
Engineering Mechanics II

Course Description
Subject includes kinematics and kinetics of particles and rigid bodies, plane motion of particles and rigid bodies, moments of inertia, rotation of rigid body, relative motion, principles of work and energy, impulse, momentum and impact. NOTE: This course is offered only in the Spring term. (Prerequisites: A grade of "C" or higher in ENGI-101 and MATH-172)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[ENGI102](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - ENGI101 - Engineering Mechanics I - MATH172 - Calculus II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGI102 - CLO 1	Outcome Apply the principles of engineering mechanics in the analysis of:The kinematics of particles and rigid bodies.

Name ENGI102 - CLO 2	Outcome Apply the principles of engineering mechanics in the analysis of: Plane motion of particles and rigid bodies.
Name ENGI102 - CLO 3	Outcome Apply the principles of engineering mechanics in the analysis of: Moments of inertia.
Name ENGI102 - CLO 4	Outcome Apply the principles of engineering mechanics in the analysis of: Rotation of rigid bodies.
Name ENGI102 - CLO 5	Outcome Apply the principles of engineering mechanics in the analysis of: Relative motion.
Name ENGI102 - CLO 6	Outcome Apply the principles of engineering mechanics in the analysis of: Work and energy.
Name ENGI102 - CLO 7	Outcome Apply the principles of engineering mechanics in the analysis of: Impulse and momentum.
Name ENGI102 - CLO 8	Outcome Apply the principles of engineering mechanics in the analysis of: Impact.

ENGI103 - Engineering Problem Solving With Computers

Course Information

Course Number
103

Course Title (long)
Engineering Problem Solving With Computers

Course Description
Students will learn the fundamentals of MATLAB, how to write programs in MATLAB, and how to solve engineering problems using MATLAB. Emphasis on problem-solving skills and mathematical tools of importance in engineering. (Prerequisite(s): MATH-151 or equivalent)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering

Syllabus (Ctrl + click)
[ENGI103](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- MATH151 - Intermediate Algebra

OR

Criteria 2

OR:

- Equivalent

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ENGI103 - CLO 1	Demonstrate understanding of MATLAB fundamental concepts.

Name	Outcome
ENGI103 - CLO 2	Write programs in MATLAB.

Name	Outcome
ENGI103 - CLO 3	Solve engineering problems using MATLAB.

ENGI105 - Introduction to Engineering

Course Information

Course Number
105

Course Title (long)
Introduction to Engineering

Course Description
This course is an introduction to the Engineering Curriculum. The purpose of this course is to expose the student to the various branches of engineering, the careers that are available, the educational requirements, and the tools of the engineer. Various computer demonstrations and student projects will be performed to introduce the student to typical engineering uses of computers and software. The course consists of one hour per week of lecture. Upon successful completion of this course, the student will earn one credit. The student should have an interest in understanding the challenges of engineering as a profession.

Credit Hours

Min:
1

Billing Hours

Min:
1

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ENGI105](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ENGI105 - CLO 1	Describe the various branches of engineering and the careers available.

Name	Outcome
ENGI105 - CLO 2	Understand the educational requirements of an engineering degree.

Name	Outcome
ENGI105 - CLO 3	Describe the tools of a "typical" engineer.

ENGI121 - Engineering Graphics with CAD

Course Information

Course Number
121

Course Title (long)
Engineering Graphics with CAD

Course Description
This course will provide the student with a complete engineering graphics curriculum utilizing freehand sketching, manual/board drafting and Computer-Aided Drafting. The topics will include graphic size and shape development, orthographic projection, sectional and auxiliary views, dimensioning and tolerancing, fasteners and the preparation of a set of working drawings.

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering

Syllabus (Ctrl + click)
[ENGI121](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ENGI121 - CLO 1	Apply principles of Engineering Graphics executed on a CAD. (Computer Aided Drafting/Design) workstation.
Name	Outcome
ENGI121 - CLO 2	Solve problems in basic Graphic Size and Shape Development, Orthographic Projection, Sectional and Auxiliary views, Dimensioning and Tolerancing, Fasteners, and Working Drawings.

ENGI205 - Strength of Materials

Course Information

Course Number
205

Course Title (long)
Strength of Materials

Course Description
Subject includes properties of structural materials, stress and strain relationship, proportional limit, yield-point, ultimate strength, modulus of elasticity, design of axial members, working stress, design of bending and torsional members, riveted and welded joints, deflection of axial, bending and torsional members, solution of intermediate beams by double integration, combined stresses, design of compression members and columns, stresses at a point on different planes, fatigue of metals, stress concentration, impact and energy loads, principal stresses and theories of failure. NOTE: This course is offered only in the Spring term. (Prerequisites: A grade of "C" or higher in MATH-171 and ENGI-101)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ENGI205](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- ENGI101 - Engineering Mechanics I - MATH171 - Calculus I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ENGI205 - CLO 1	Apply the principles of engineering to: Study axial shear.

Name ENGI205 - CLO 2	Outcome Apply the principles of engineering to: Bending.

Name ENGI205 - CLO 3	Outcome Apply the principles of engineering to: Torsion.

Name ENGI205 - CLO 4	Outcome Apply the principles of engineering to: Combined stresses.

Name ENGI205 - CLO 5	Outcome Apply the principles of engineering to: Column behavior.

Name ENGI205 - CLO 6	Outcome Construct beam shear, moment, and deflection diagrams

ENGI206 - Material Properties and Processes

Course Information

Course Number
206

Course Title (long)
Material Properties and Processes

Course Description
Students will be introduced to the basic principles underlying the behavior of materials. This course will provide the scientific foundation for an understanding of the relations between material properties, structure and performance for the classes of engineering solids (metals, polymers, ceramics, semiconductors and composites. Concepts will be developed and applied which allow for correlation between performance and aspects of structure, from the atomic through the macroscopic level, including ideas relating to atomic and larger size defects. NOTE: This course is offered only in the Spring term. (Prerequisite: CHEM-102)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[ENGI206](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: CHEM102 - General Chemistry II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGI206 - CLO 1	Outcome Understand and identify the basic principles underlying the behavior of materials.

Name ENGI206 - CLO 2	Outcome Understand and identify the relation between material properties, structure and performance for engineering materials.

ENGI216 - Kinematics and Dynamics of Machinery

Course Information

Course Number
216

Course Title (long)
Kinematics and Dynamics of Machinery

Course Description
The design approach is applied to machines such as cam and follower, speed changers, geared transmissions, planetary gear systems and linkages for generating specific type of motion. Graphic, analytical and digital computer methods are used. NOTE: This course is offered only in the Summer II term. (Prerequisite: A grade of "C" or higher in ENGI-102)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[ENGI216](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: ENGI102 - Engineering Mechanics II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGI216 - CLO 1	Outcome Use graphical and analytical techniques to perform kinematic analysis of linkages.
Name ENGI216 - CLO 2	Outcome Design planar linkages.

Name ENGI216 - CLO 3	Outcome Analyze and design basic mechanisms involving cams.

Name ENGI216 - CLO 4	Outcome Analyze gear trains containing spur, helical gears, bevel and worm gears.

Name ENGI216 - CLO 5	Outcome Analyze forces in mechanisms.

ENGI241 - Principles of EE I (Circuits)

Course Information

Course Number
241

Course Title (long)
Principles of EE I (Circuits)

Course Description
This course introduces the student to the basic concepts of DC and AC circuit analysis, loop and node analysis, network theorems and poly-phase circuits. Laboratory work emphasizes basic measurement techniques. The student will verify circuit theory as well as laboratory measurements with computer-aided circuit analysis such as PSpice and other software packages. NOTE: This course is offered only in the Fall term. (Prerequisites: A grade of "C" or higher in MATH-172 and PHYS-122)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[ENGI241](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: - MATH172 - Calculus II - PHYS122 - General Physics II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGI241 - CLO 1	Outcome Demonstrate the ability to identify, formulate, and solve electrical engineering problems.

Name ENGI241 - CLO 2	Outcome Demonstrate the ability to design a system, component, or process to meet desired needs.
Name ENGI241 - CLO 3	Outcome Demonstrate the ability to use the techniques, skills, and modern engineering tools necessary for engineering design.
Name ENGI241 - CLO 4	Outcome Apply Ohm's and Kirchhoff's laws to circuits with both dependent and independent sources.
Name ENGI241 - CLO 5	Outcome Simplify circuits using network equivalences .
Name ENGI241 - CLO 6	Outcome Analyze circuits using Mesh Currents, Node Voltage Analysis, Superposition, and Thevenin's and Norton's Theorem.
Name ENGI241 - CLO 7	Outcome Perform basic circuit analysis with both dependent and independent sources.
Name ENGI241 - CLO 8	Outcome Use standard lab equipment including oscilloscope, power supply, multi-meter and signal generator to make circuit measurements as well as to analyze and interpret data .
Name ENGI241 - CLO 9	Outcome Use engineering circuit simulation/ analysis software for bias point, dc sweep, and transient analysis to verify circuit design demonstrate the ability to communicate effectively.

ENGI242 - Principles of EE II (Electronics)

Course Information

Course Number 242
Course Title (long) Principles of EE II (Electronics)
Course Description This course introduces the student to electronic circuits and devices, particularly junction diodes, bipolar transistors and field effect transistors. The student will learn the elementary concepts of electronic device physics, transistor circuit biasing, amplifiers and transistor models. The student will design and analyze transistor amplifiers with the assistance of various computer-aided circuit analysis software packages. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in ENGI-241)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[ENGI242](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: ENGI241 - Principles of EE I (Circuits)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGI242 - CLO 1	Outcome Identify, formulate, and solve electronic circuit problems.
Name ENGI242 - CLO 2	Outcome Demonstrate the ability to design a system or process to meet desired needs.

Name ENGI242 - CLO 3	Outcome Demonstrate the ability to use the techniques, skills, and modern engineering tools necessary for circuit design.
Name ENGI242 - CLO 4	Outcome Perform basic dc and ac circuit analysis.
Name ENGI242 - CLO 5	Outcome Use standard lab equipment including oscilloscope, power supply, multi-meter and signal generator to make circuit measurements as well as to analyze and interpret data .
Name ENGI242 - CLO 6	Outcome Use engineering circuit simulation/ analysis software for sinusoidal-steady state and transient analysis, and to verify circuit design
Name ENGI242 - CLO 7	Tags Written and Oral Communication (Communication)
Outcome Demonstrate the ability to communicate effectively (Communication).	

ENGI251 - Digital I

Course Information

Course Number
251

Course Title (long)
Digital I

Course Description

This course is an introduction to the basic principles of digital electronics. At the conclusion of this course, the student will be able to quantitatively identify the fundamentals of computers, including number systems, logic gates, logic and arithmetic subsystems, and integrated circuits. She/he will gain the practical skills necessary to work with digital circuits through problem solving and hands on laboratory experience with logic gates, encoders, flip-flops, counters, shift registers, adders, etc. The student will be able to analyze and design simple logic circuits using tools such as Boolean Algebra and Karnaugh Mapping and will be able to draw logic diagrams using both the traditional logic symbols and IEEE/IEC Std. 91-1984 logic symbols with dependency notation. NOTE: This course is offered only in the Fall term. (Prerequisites: A grade of "C" or higher in PHYS 122 and MATH 172)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ENGI251](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- MATH172 - Calculus II
- PHYS122 - General Physics II

ENGI252 - Principles of EE III (Circuits)

Course Information

Course Number
252

Course Title (long)
Principles of EE III (Circuits)

Course Description
This course introduces the student to three-phase circuits, transformers, resonance Laplace Transform theorems, S-domain circuit analysis, Bode diagrams, Fourier Series, Fourier Transforms and applications. The student will use computer-aided circuit analysis software packages in the analysis and design of circuits. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in ENGI-241; Prerequisite or Corequisite: MATH-274)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[ENGI252](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies I Earn a minimum grade of "C" in the following: - ENGI241 - Principles of EE I (Circuits) Career Studies II Complete ALL of the following Courses: - MATH274 - Elementary Differential Equations
Corequisite Type Corequisite Career Studies Enroll in the following Courses: MATH274 - Elementary Differential Equations

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGI252 - CLO 1	Outcome Design and analyze electrical circuits.
Name ENGI252 - CLO 2	Outcome Perform computer simulations of electrical circuits.
Name ENGI252 - CLO 3	Outcome Read and interpret numerical and graphical data.
Name ENGI252 - CLO 4	Outcome Write reports according to professional standards.
Name ENGI252 - CLO 5	Outcome Analyze measured data and demonstrate that calculated and simulated data verify electric circuit theory via a course project.

ENGL17D - The Literature of Bob Dylan

Complete ALL of the following Course Sets:

- Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

ENGL022 - Research Writing Workshop

Course Information

Course Number
022

Course Title (long)
Research Writing Workshop

Course Description
This workshop-style course provides additional support for students concurrently enrolled in ENGL 122. Students will focus on the skills needed to successfully research and write at the college level. ENGL 022 requires students to take two linked Composition courses: ENGL 022 and ENGL 122 with the same instructor in a single term.

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English
Syllabus (Ctrl + click) ENGL-022		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL022 - CLO 1	Outcome Demonstrate an understanding of the academic writing process.
Name ENGL022 - CLO 2	Outcome Support sustained inquiry via effective research practices.
Name ENGL022 - CLO 3	Outcome Locate, analyze, and evaluate the quality of sources.
Name ENGL022 - CLO 4	Outcome Ethically synthesize research in original writing.

ENGL099 - Accelerated Learning Program for English Composition: the Writing Process

Course Information

Course Number
099

Course Title (long)
Accelerated Learning Program for English Composition: the Writing Process

Course Description
ENGL 099 requires students to take two linked English composition courses: ENGL 099 (foundational studies) and ENGL 121 (college-level) with the same instructor in a single term. ENGL 099 helps students acquire the writing skills necessary to successfully complete the ENGL 121 course. Students are eligible to earn 3 credits for each of the two courses. (Prerequisite: Placement as a result of score on Writing placement test; Corequisite: ENGL-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL099](#)

Name	Outcome
ENGL099 - CLO 1	Communicate information and ideas clearly and effectively in written form.

Name	Outcome
ENGL099 - CLO 2	Use a process approach to writing.

Name	Outcome
ENGL099 - CLO 3	Use writing as a way of exploring and communicating ideas.

Name	Outcome
ENGL099 - CLO 4	Write essays with an awareness of audience and purpose.

Name	Outcome
ENGL099 - CLO 5	State and support a main point about a topic in clear, focused, logically organized paragraphs.

Name	Outcome
ENGL099 - CLO 6	Use effective sentence form and correct grammar, punctuation, vocabulary, spelling and capitalization.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Requirements Fulfill ALL of the following requirements: Placement as a result of score on Writing placement test.
Corequisite Type Corequisite Career Studies Enroll in the following Courses: ENGL121 - English Composition:The Writing Process

Course Learning Outcomes

This course supports students in their successful and simultaneous completion of ENGL 121: English Composition – The Writing Process by helping them to:

ENGL121 - English Composition:The Writing Process

Course Information

Course Number
121

Course Title (long)
English Composition:The Writing Process

Course Description
English 121 is an introductory writing course in which students learn to create college-level essays. Throughout the semester, students engage in a writing process and learn strategies for composing and revising. Class time is focused on learning about academic essays and applying that knowledge in writing.(Prerequisite: A grade of "C" or higher in ENGL-095 or meets current college placement criteria)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Communications (C)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL121](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

• [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

• Meets current college placement criteria.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL121 - CLO 1 Justification Learning Outcome(s) support the following General Education Knowledge Areas: (C) Communications	Outcome Compose and revise college-level essays that demonstrate the ability to write for a range of academic modes.
Name ENGL121 - CLO 2 Justification Learning Outcome(s) support the following General Education Knowledge Areas: (C) Communications	Outcome Demonstrate writing proficiency and critical thinking skills.
Name ENGL121 - CLO 3 Justification Learning Outcome(s) support the following General Education Knowledge Areas: (C) Communications	Outcome Recognize that successful writing is an ongoing process that requires thinking, writing, revising and editing.
Name ENGL121 - CLO 4 Justification Learning Outcome(s) support the following General Education Knowledge Areas: (C) Communications	Outcome Sustain a clear focus and provide appropriate pattern of organization that demonstrates awareness of audience and purpose.
Name ENGL121 - CLO 5 Justification Learning Outcome(s) support the following General Education Knowledge Areas: (C) Communications	Outcome Analyze and synthesize information from texts, coursework, and class discussions.

Name ENGL121 - CLO 6	Outcome Demonstrate application of course instruction in revision of essays.
Justification Learning Outcome(s) support the following General Education Knowledge Areas: (C) Communications	

ENGL122 - English Composition: Writing and Research

Course Information

Course Number 122
Course Title (long) English Composition: Writing and Research

Course Description
This course teaches techniques and strategies for conducting research and for writing effectively on a range of subjects. Students learn to write and revise convincing papers using critical thinking skills and information they find to support an assertion or position. Related reasoning and support for papers necessitates inquiry into social ethics and moral situations. Students learn to analyze and process this information using foundational principles of logic, ethical reasoning, and social morals. Students also learn and demonstrate proper documentation style.(Prerequisite: A grade of "C" or higher in ENGL 121)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Communications (C), Ethical Reasoning and Action (E), Information Literacy (IL)

School School of Business, Humanities and Social Science	Division Division of English & College Success	Department(s) ~* English

Syllabus (Ctrl + click)
[ENGL-122](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: ENGL121 - English Composition:The Writing Process

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL122 - CLO 1	Tags Information Literacy (Integrated Course Goal)

Outcome Demonstrate proficiency in navigating library databases and identifying high-quality sources of information (IL)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (C) Communications • (E) Ethical Dimension • (IL) Information Literacy

Name ENGL122 - CLO 2	Tags Information Literacy (Integrated Course Goal), Written and Oral Communication (Communication)
Outcome Evaluate and analyze a variety of sources in order to synthesize and present information (IL), (C)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (C) Communications • (E) Ethical Dimension • (IL) Information Literacy

Name ENGL122 - CLO 3	Tags Written and Oral Communication (Communication)
Outcome Compose and revise papers that are focused, well-organized, and grammatically clear (C)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (C) Communications • (E) Ethical Dimension • (IL) Information Literacy

Name ENGL122 - CLO 4	Tags Written and Oral Communication (Communication), Ethical Reasoning and Action (Integrated Course Goal)
Outcome Understand the rhetorical practices that define ethical scholarship by approaching topics with an awareness of bias, effectively addressing other viewpoints, and accurately documenting sources (C), (E)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (C) Communications • (E) Ethical Dimension • (IL) Information Literacy

ENGL127 - Business Writing

Course Information

Course Number 127	Course Title (long) Business Writing
Course Description This course introduces students to the principles of effective business writing. Students will develop their individual writing processes as they write and revise letters, memos, resumes and reports. Emphasis is placed on appropriate organization, clarity and conciseness in informative and persuasive business writing. (Prerequisite: A grade of "C" or better in ENGL 121 or instructor approval)	

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of English & College Success	Department(s) ~* English

Syllabus (Ctrl + click)
[ENGL127](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1 Earn a minimum grade of "C" in the following: ENGL121 - English Composition:The Writing Process
OR
Criteria 2 OR: Instructor approval.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL127 - CLO 1	Outcome Exhibit a variety of ways to get started on writing tasks.
Name ENGL127 - CLO 2	Outcome Demonstrate skills as constructive readers in responding to the writing of others.
Name ENGL127 - CLO 3	Outcome Logically solve business problems through writing appropriate business documents.
Name ENGL127 - CLO 4	Outcome Demonstrate the characteristics and appropriate use of active and passive voice and abstract and concrete word choice in class exercises and papers.
Name ENGL127 - CLO 5	Outcome Exhibit appropriate use of word choice and language.
Name ENGL127 - CLO 6	Outcome Demonstrate the distinctive characteristics and details essential for appropriate organization of informative and persuasive writing.
Name ENGL127 - CLO 7	Outcome Identify distinctive characteristics and appropriate use of functional and chronological resumes.
Name ENGL127 - CLO 8	Outcome Create successful written business documents.
Name ENGL127 - CLO 9	Outcome Utilize WORD properly in composing business documents.
Name ENGL127 - CLO 10	Outcome Access business databases to research a contemporary workplace issue.

ENGL150 - African-American Literature

Course Information

Course Number 150
Course Title (long) African-American Literature
Course Description This introductory African-American Literature survey course, through eclectic samplings of narratives, poetry, short stories, plays and novels, exposes students to literary contributions of prominent/influential 18th, 19th , 20th, and 21st century Black writers. Increased enjoyment, study, and appreciation of texts and authors explored emerge from critical analysis of literary selections, classroom discussions, and written journal and research projects.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies

Humanities (HU)		
School School of Business, Humanities and Social Science	Division Division of English & College Success	Department(s) ~* English

Syllabus (Ctrl + click)
[ENGL-150](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: ENGL121 - English Composition:The Writing Process

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL150 - CLO 1 Justification (Core Competencies: Communication, Critical Thinking, Historical/Societal Analysis, Ethical Reasoning and Action, Informational Literacy)	Outcome Relate the vast array of voices from the early American colonial period to the present day that helped to shape the literary heritage of African-American culture to the literary and cultural issues raised in the readings.

Name ENGL150 - CLO 2 Justification (Core Competencies: Communication, Critical Thinking, Historical/Societal Analysis, Ethical Reasoning and Action, Informational Literacy)	Outcome Discuss the historical and contextual information of texts assigned in class.

Name ENGL150 - CLO 3 Justification (Core Competencies: Communication, Critical Thinking, Historical/Societal Analysis, Ethical Reasoning and Action, Informational Literacy)	Outcome Analyze texts orally and in writing including reference to the historical background.

Name ENGL150 - CLO 4 Justification (Core Competencies: Communication, Critical Thinking, Historical/Societal Analysis, Ethical Reasoning and Action, Informational Literacy)	Outcome Explain the literary elements and structures of oral traditions that continue to make these texts unique in the American literary canon of the past and present.

Name ENGL150 - CLO 5 Justification (Core Competencies: Communication, Critical Thinking, Historical/Societal Analysis, Ethical Reasoning and Action, Informational Literacy)	Outcome Evaluate the ethical implications of the content presented in the readings.

Name ENGL150 - CLO 6 Justification (Core Competencies: Communication, Critical Thinking, Historical/Societal Analysis, Ethical Reasoning and Action, Informational Literacy)	Outcome Identify discipline-specific library databases to acquire and present information within a literary analysis paper.

ENGL155 - The Short Story

Course Information

Course Number
155

Course Title (long)
The Short Story

Course Description
Students will read and discuss short stories from diverse cultures and different time periods. They will learn how to analyze elements of fiction and identify literary devices to develop a deeper understanding of short fiction. The relevance of multiple perspectives will be examined through oral and written discussion of texts. Through the study of the short story, students will explore universal themes and gain insight into the world around them.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

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[ENGL155](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL155 - CLO 1	Tags Humanistic Perspective (Humanities)
Outcome Analyze short stories using literary terminology. (HU)	

Name ENGL155 - CLO 2	Tags Humanistic Perspective (Humanities)
Outcome Communicate ideas and opinions about the stories in discussion and in writing. (HU)	

Name ENGL155 - CLO 3	Tags Humanistic Perspective (Humanities)
Outcome Apply theoretical lenses in the analysis and study of literature. (HU)	

Name ENGL155 - CLO 4	Tags Humanistic Perspective (Humanities)
Outcome conduct academic research and write college-level analysis essays. (HU)	

Name ENGL155 - CLO 5	Tags Humanistic Perspective (Humanities)
Outcome gain an awareness of diverse cultures and peoples by examining texts written by authors of different backgrounds. (HU)	

ENGL156 - Introduction to Poetry

Course Information

Course Number
156

Course Title (long)
Introduction to Poetry

Course Description
The student will read and discuss poetry from earliest times to modern times. Emphasis will be on how to read a poem for maximum enjoyment and understanding.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL-156](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL156 - CLO 1	Outcome Develop the tools and skills necessary to analyze, discuss and enjoy a wide variety of poetry.
Justification (Communication, Critical Thinking, Information Literacy, Creative Expression Historical/Societal Analysis).	

Name ENGL156 - CLO 2	Outcome Discuss orally and in writing the concepts of theme, style, voice, structure, sound, and imagery in poetry.
Justification (Communication, Critical Thinking, Information Literacy, Creative Expression Historical/Societal Analysis).	

Name ENGL156 - CLO 3	Outcome Discuss orally and in writing how poems reflect historical and contemporary social issues.
Justification (Communication, Critical Thinking, Information Literacy, Creative Expression Historical/Societal Analysis).	

Name ENGL156 - CLO 4	Outcome Create a college-level paper that analyzes and discusses some aspect of poetry.
Justification (Communication, Critical Thinking, Information Literacy, Creative Expression Historical/Societal Analysis).	

ENGL158 - Introduction to Literature

Course Information

Course Number
158

Course Title (long)
Introduction to Literature

Course Description
Students will read from a wide range of literary works in this class to enhance their enjoyment and understanding of literature. The course will focus on the discussion of each literary text to consider multiple interpretations and develop interpretive and analytical skills. Basic literary terms and concepts will be reviewed, and students will practice approaches to reading, reflecting, and writing about works of fiction, poetry, and drama. Students will also consider how each text connects to universal themes and what literature reveals about the human experience.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

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[ENGL-158](#)

Justification
(Communication, Critical Thinking, and Information Literacy, Creative Expression, Historical/Societal Analysis).

Name	Outcome
ENGL158 - CLO 3	Respond to the texts in a developed written manner.
Justification (Communication, Critical Thinking, and Information Literacy, Creative Expression, Historical/Societal Analysis).	

Name	Outcome
ENGL158 - CLO 4	Connect orally and in writing literary works to universal themes and concerns.
Justification (Communication, Critical Thinking, and Information Literacy, Creative Expression, Historical/Societal Analysis).	

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL158 - CLO 1	Outcome Utilize the tools and skills needed to give a work of literature a close reading.
Justification (Communication, Critical Thinking, and Information Literacy, Creative Expression, Historical/Societal Analysis).	
Name ENGL158 - CLO 2	Outcome Analyze structural elements using appropriate literacy terms and techniques.

ENGL168 - Contemporary Plays

Course Information

Course Number

168

Course Title (long)

Contemporary Plays

Course Description

The student will demonstrate a knowledge of some of the major plays of our literature after the Second World War and analyze them in terms of dramatic content and theatrical devices. The student will see films and live productions which make the play come to life.

Credit Hours

Min:

3

Billing Hours

Min:

3

School

School of Business,
Humanities and Social
Science

Division

Division of English &
College Success

Department(s) ~*

Theater

Syllabus (Ctrl + click)

[ENGL-168](#)

Name

ENGL168 - CLO 3

Tags

Written and Oral Communication
(Communication), Critical Thinking,
Creative Expression

Outcome

Use visual and verbal methods of communication to articulate their findings to the class through an oral presentation. (Communication, Critical Thinking, Creative Expression)

Name

ENGL168 - CLO 4

Tags

Historical/Societal Analysis

Outcome

Identify and analyze the lives, times, social, economic and political climate in which their plays were conceived, written and performed as well as the effect this had on the writers and how this influenced their work and how the plays influenced society (Historical/ Societal Analysis).

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name

ENGL168 - CLO 1

Tags

Written and Oral Communication
(Communication)

Outcome

Communicate their personal thoughts and theories about the plays through group discussion, writing projects, and readings of assigned plays.
(Communication)

Name

ENGL168 - CLO 2

Tags

Information Literacy (Integrated Course Goal), Critical Thinking,
Creative Expression

Outcome

Collect, identify, analyze, organize and evaluate information from a variety of sources and then synthesize it into a written document. (Information Literacy), (Critical Thinking), (Creative Expression)

ENGL170 - Introduction to Social Media

Course Information

Course Number
170

Course Title (long)
Introduction to Social Media

Course Description
This course teaches strategies and techniques for the utilization of Social Media applications for the purpose of creating a personal or professional web presence for a person or brand. Students will learn to effectively use current social media sites to interact appropriately with their intended audience within the realm of the feeds best suited for their intended promotions and objectives.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL170](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL170 - CLO 1	Outcome Identify the audience and their expectations to develop a compelling message using the appropriate social media feed.
Name ENGL170 - CLO 2	Outcome Apply research skills and techniques to keep abreast of the ever-changing field of media.
Name ENGL170 - CLO 3	Outcome Use social media to manage web presence or brand.
Name ENGL170 - CLO 4	Outcome Identify and avoid potential pitfalls within social networks.

Name ENGL170 - CLO 5	Outcome Analyze social media marketing effectiveness via social media metrics.
Name ENGL170 - CLO 6	Outcome Use social media to appropriately and effectively interact with the already empowered audience.

ENGL175 - Women's Perspectives in Literature

Course Information

Course Number
175

Course Title (long)
Women's Perspectives in Literature

Course Description
This course is an introductions to literature written by women from diverse backgrounds, time periods, and gender expressions. Students will read a variety of literary forms including the novel, short stories, poetry, drama, essays, and literary theory. Through literary analysis, class discussions, and written assignments, students will explore women's significant contributions to the literary canon as well as their history of overcoming challenges in getting their works published, which directly impacted their ability to make their perspectives known.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies		
Humanities (HU)		
School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL-175](#)

		Tags
Name ENGL175 - CLO 3		Written and Oral Communication (Communication), Cultural and Global Awareness (CG)
Outcome Demonstrate critical thinking orally and in writing regarding the meaning of individual texts from different cultures. (C), (CG)		

		Tags
Name ENGL175 - CLO 4		Written and Oral Communication (Communication), Cultural and Global Awareness (CG)
Outcome Analyze and communicate influences and critical perceptions of works orally and in writing. (C), (CG)		

		Tags
Name ENGL175 - CLO 5		Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)
Outcome Write and revise convincing papers using data to support an assertion or position. (C), (IL)		

Course Learning Outcomes

Upon completion of this course, students will be able to:

		Tags
Name ENGL175 - CLO 1		Cultural and Global Awareness (CG), Humanistic Perspective (Humanities)
Outcome Analyze literary texts written by women in the context of gender studies. (CG), (HU)		

		Tags
Name ENGL175 - CLO 2		Cultural and Global Awareness (CG), Humanistic Perspective (Humanities)
Outcome Compare and contrast texts that are similar in genre, theme, and style. (CG), (HU)		

ENGL206 - Approaches to Literary Studies

Course Information

Course Number
206

Course Title (long)
Approaches to Literary Studies

Course Description
Approaches to Literary Studies is a foundational course that prepares the student in the English Option for transition to upper level study as an English Major. The course introduces the student to the principles of literary study and performance by engaging and considering the major debates and issues in the discipline; approaches to the elements and conventions of genre; and a survey of literary theoretical perspectives and their critical applications. Students will develop the skills and practice necessary to perform informed analyses in reading, research and writing expected of an undergraduate in the discipline of English. (Prerequisites or corequisites: ENGL-122)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL206](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: ENGL122 - English Composition: Writing and Research
Corequisite Type Corequisite Career Studies Enroll in the following Courses: ENGL122 - English Composition: Writing and Research

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL206 - CLO 1 Justification (Core Competencies: Communication; Critical Thinking; Information Literacy; Historical/Societal Analysis)	Outcome To discuss orally and in writing the essential conventions and elements of various literary genres and demonstrate the ability to discuss and analyze representative texts across genres and according to their particular conventions and expectations.
Name ENGL206 - CLO 2 Justification (Core Competencies: Communication; Critical Thinking; Information Literacy; Historical/Societal Analysis)	Outcome To develop, synthesize and employ the vocabulary and methodologies of the major critical approaches to literature, including but not limited to close reading and textual analysis, as well as representative critical methodologies such as New Historicism, Feminist, Cultural Materialism, Post Colonial, and other contemporary theoretical approaches within the current literary scholarship.
Name ENGL206 - CLO 3 Justification (Core Competencies: Communication; Critical Thinking; Information Literacy; Historical/Societal Analysis)	Outcome To develop and demonstrate required research methods and skills in English studies by working with various databases and library resources, accessing, assessing and synthesizing significant primary and secondary sources, and working with required bibliographic standards and guidelines in the Humanities, such as MLA. to critically consider and assess the major issues, debates and trajectories of English as a discipline and practice.
Name ENGL206 - CLO 4 Justification (Core Competencies: Communication; Critical Thinking; Information Literacy; Historical/Societal Analysis)	Outcome To write successful research papers of varying lengths on genres, topics, and issues relevant to the scope of the course.

ENGL220 - Business and Technical Writing

Course Information

Course Number
220

Course Title (long)
Business and Technical Writing

Course Description
In this course, students will present technical information clearly, concisely, and correctly to a non-technical audience. They will analyze and apply rhetorical principles in their writing, using both traditional forms of written expression (such as instructions, letters, reports) and newer media forms (blogs, email, e-resumes). They will learn to integrate the written word with the appropriate visuals in order to produce effective messages; explore contemporary issues such as gender-neutral writing and plan language; and examine ethical considerations of writing in the workplace. Case studies will emphasize the importance of historical perspective and cultural context. Due to the nature of business and technical writing, the topics and assignments may evolve over time.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English
Syllabus (Ctrl + click) ENGL-220		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL220 - CLO 1	Outcome Analyze the impact of clear, strategic business and technical writing.
Name ENGL220 - CLO 2	Outcome Identify current trends and issues in technical or business communication.
Name ENGL220 - CLO 3	Outcome Present technical information clearly, concisely, and correctly to a non-technical audience.
Name ENGL220 - CLO 4	Outcome Explore ethical issues in the workplace.

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

ENGL121 - English Composition:The Writing Process

OR

Criteria 2

OR:

Permission of Instructor.

ENGL221 - Introduction to Creative Writing

Course Information

Course Number
221

Course Title (long)
Introduction to Creative Writing

Course Description
This introductory course explores the creative process and craft techniques in writing fiction, poetry, and creative non-fiction. The course will encourage students to explore and develop their own creative visions. It will focus on generating ideas, creating new work, developing drafts, and experimenting with different styles and forms. Through a workshop format that includes writing prompts, readings, and group discussions, students will produce a final portfolio of original creative writing. Students will also be introduced to publishing possibilities and protocols.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English
Syllabus (Ctrl + click) ENGL-221		

Name ENGL221 - CLO 2	Outcome Students will utilize critiques to revise their creative work.
Justification (Core Competencies: Communication, Critical Thinking; Creative Expression)	

Name ENGL221 - CLO 3	Outcome Students will demonstrate their ability to communicate effectively, and think creatively and critically.
Justification (Core Competencies: Communication, Critical Thinking; Creative Expression)	

Name ENGL221 - CLO 4	Outcome Students will create a final portfolio which represents artistic vision.
Justification (Core Competencies: Communication, Critical Thinking; Creative Expression)	

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: ENGL121 - English Composition:The Writing Process

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL221 - CLO 1	Outcome Students will practice elements of craft and style in multiple genres, concentrating on the specific techniques of each genre.
Justification (Core Competencies: Communication, Critical Thinking; Creative Expression)	

ENGL223 - Poetry Writing Workshop

Course Information

Course Number
223

Course Title (long)
Poetry Writing Workshop

Course Description
Students will explore their poetic visions over the semester in a supportive community of writers. Building upon the foundations studied in English 221, students will deepen their understanding of the finer elements of poetic craft. Published authors will be read and discussed as models to inspire student work. Students will compose and revise original poetry and receive feedback via peer reviews and from their professor. The semester will culminate in a final portfolio of revised work that demonstrates the student's growth over the semester. (Prerequisite: Creative Writing ENG221 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English
Syllabus (Ctrl + click) ENGL-223		

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

ENGL221 - Introduction to Creative Writing

OR

Criteria 2

OR:

Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Outcome Students will recognize literary patterns; repetition, meter, various rhyme forms including internal rhyme, blank verse, varieties of rhythm, alliteration, assonance, consonance, etc.	Name ENGL223 - CLO 1	Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)
Outcome Students will explore denotation and connotation of words and phrases, their implications to meaning, the evocation of emotion through word choice and juxtaposition, and the uses and effects of enjambment.	Name ENGL223 - CLO 2	Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)
Outcome Students will employ the use of the line as a primary form, line breaks, stanza development, free verse versus closed, effects on narration and diction in a poem.	Name ENGL223 - CLO 3	Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)
Outcome Students will recognize and use figurative language such as symbol, allegory, metaphor, simile, trope, and explore the relationship the literal and figurative, the closely observed and the abstract, and develop layers of meaning in a poem.	Name ENGL223 - CLO 4	Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)
Outcome Students will construct concrete and abstract poems and use persona, theme, tone, and effective titles to create structure and control their effects.	Name ENGL223 - CLO 5	

Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)

Name ENGL223 - CLO 6	Outcome Students will explore the use, variety, and appropriation of traditional punctuation in poems, as well as the importance of what is not revealed.
Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)	

Name ENGL223 - CLO 7	Outcome Students will experiment with character and dialogue in poetry when appropriate.
Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)	

Name ENGL223 - CLO 8	Outcome Students will employ paradox, tension, and conflict.
Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)	

Name ENGL223 - CLO 9	Outcome Students will explore publishing, how to research markets, prepare work for submission, develop a query letter, and learn the different types of publications from journals and literary magazines, and explore genre vs. mainstream publishing trends.
Justification (Core Competencies: Communication – Critical Thinking – Creative Expression)	

ENGL224 - Fiction Writing Workshop

Course Information

Course Number 224
Course Title (long) Fiction Writing Workshop
Course Description Writers will pursue their artistic vision in a supportive community as they compose, revise, and edit original works of fiction. Peer-review workshops and class discussions of published texts will deepen students' understanding of variations in craft and style within different subgenres of fiction. Students' work will culminate in a final portfolio that prepares them for further study and empowers them to sustain their fiction-writing practice.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of English & College Success	Department(s) ~* English
Syllabus (Ctrl + click) ENGL-224		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Courses: - ENGL221 - Introduction to Creative Writing OR Criteria 2 OR: - Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL224 - CLO 1	Outcome Students will illustrate fluency of line through manipulation of sentences to effect tone, pacing, and rhythm.
Justification (Core Competencies: Communication - Critical Thinking - Creative Expression)	

Name ENGL224 - CLO 6	Outcome Students will discuss their own and other's efforts to create irony and suspense.
Justification (Core Competencies: Communication - Critical Thinking - Creative Expression)	

Name ENGL224 - CLO 2	Outcome Students will develop effective use of paragraphing, organization, rate of disclosure, and the importance of what is not said.
Justification (Core Competencies: Communication - Critical Thinking - Creative Expression)	

Name ENGL224 - CLO 7	Outcome Students will explore publishing, how to research markets, prepare work for submission, develop a query letter, and learn the different types of publications from journals and literary magazines, and explore genre vs. mainstream publishing trends.
Justification (Core Competencies: Communication - Critical Thinking - Creative Expression)	

Name ENGL224 - CLO 3	Outcome Students will analyze character development mere description with particular emphasis on how story grows out of the character, the concept of catharsis and how this ties in with plot, avoidance of manipulation of character, and the development of character through dialogue.
Justification (Core Competencies: Communication - Critical Thinking - Creative Expression)	

Name ENGL224 - CLO 4	Outcome Students will become facile in the use of description to build a convincing world for the reader and foster willing suspension of disbelief in the audience, as well as the use of imagery over exposition, and how to master the use of metaphor and simile.
Justification (Core Competencies: Communication - Critical Thinking - Creative Expression)	

Name ENGL224 - CLO 5	Outcome Students will analyze their own and other's plotting strategies.
Justification (Core Competencies: Communication - Critical Thinking - Creative Expression)	

ENGL227 - Creative Non-Fiction Workshop

Course Information

Course Number
227

Course Title (long)
Creative Non-Fiction Workshop

Course Description
Students will receive an overview of the art and craft of the personal essay and memoir with focus on how to transform personal narrative into literary form and the understanding of how to employ literary fictive techniques such as voice, dialogue, point of view, description, pacing, rate of disclosure, etc. Students will read creative non-fiction essays and critique them with an eye toward developing the skills to employ the techniques used by the authors read and annotated. Students will write, workshop, and revise personal essays, memoirs, and other creative non-fiction writing products and develop a portfolio by the end of the semester.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL227](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL227 - CLO 1	Outcome Analyze elements of successful personal essays from both classic and contemporary essays.
Justification (Communication, Critical Thinking, Creative Expression).	

Name ENGL227 - CLO 2	Outcome Articulate the key components of plot development, pacing, and rate of disclosure, dialogue, and other literary terms.
Justification (Communication, Critical Thinking, Creative Expression).	

Name ENGL227 - CLO 3	Outcome Experiment in discussion and in writing with a variety of approaches to characterization.
Justification (Communication, Critical Thinking, Creative Expression).	

Name ENGL227 - CLO 4	Outcome Examine the relation between truth and veracity and effective storytelling.
Justification (Communication, Critical Thinking, Creative Expression).	

Name ENGL227 - CLO 5	Outcome Create original personal essays which demonstrate some of the characteristics of the professional essays read for class.
Justification (Communication, Critical Thinking, Creative Expression).	

Name ENGL227 - CLO 6	Outcome Demonstrate creative and critical thinking in written form.
Justification (Communication, Critical Thinking, Creative Expression).	

ENGL228 - Screenwriting Basics Workshop

Course Information

Course Number
228

Course Title (long)
Screenwriting Basics Workshop

Course Description
Students will receive an overview of the art and craft of screenwriting with a focus on how to compose for visual media. Students will learn the three act dramatic structure of set-up, conflict, and resolution. Students will also learn the elements of plot, action, character, description, scene, and dialogue. Students will read contemporary screenplays and analyze them for technique, craft elements, and page to screen effectiveness. In addition, students will learn and utilize proper screenplay format as defined by industry standards. By the end of the course, students will have written a first draft, speculative (spec) script, including a plot outline, character biographies, and treatment. NOTE: This course is offered only in the Spring term. (Prerequisite: ENGL-121 or approval of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of English & College Success	Department(s) ~* English

Syllabus (Ctrl + click)
[ENGL228](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- ENGL121 - English Composition:The Writing Process

OR

Criteria 2

OR:

- Approval of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL228 - CLO 1	Outcome Create effective use of plot outline, character biographies, and treatment.
Justification (critical thinking, communication)	
Name ENGL228 - CLO 2	Outcome Incorporate research to enhance the social and historical authenticity of characters, dialects, and settings.
Justification (critical thinking, communication)	
Name ENGL228 - CLO 3	Outcome Write their own original screenplays demonstrating the ability to develop story concepts, create characters, understand plot structure, and create scenes and sequences.
Justification (critical thinking, communication)	
Name ENGL228 - CLO 4	Outcome Utilize accepted screenplay protocols and format.
Justification (critical thinking, communication)	

ENGL229 - Representing Gender

Course Information

Course Number
229

Course Title (long)
Representing Gender

Course Description
Representing Gender explores how gender identity is expressed and constructed throughout popular, mass and new media. In a web-enhanced, multimedia workshop setting, students will engage a variety of texts and create their own artifacts which document and analyze gender representation. Ultimately, students will learn and consider the dynamic ways gender identity is expressed and circulated in a global context. Note: This course is offered only in the Spring term. (Prerequisite: ENGL- 121, with a grade of 'C' or higher)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English
Syllabus (Ctrl + click) ENGL229		

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
ENGL121 - English Composition:The Writing Process

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Tags
ENGL229 - CLO 1	Critical Thinking, Historical/Societal Analysis, Written and Oral Communication (Communication)

Outcome
Explain and evaluate the cultural and social constructions of gender (Core Competencies: Critical Thinking; Communication; Historical/Societal Analysis)

Name	Tags
ENGL229 - CLO 2	Critical Thinking, Written and Oral Communication (Communication), Technological Competency (Technology), Information Literacy (Integrated Course Goal)
Outcome	
Utilize different media formats, rhetorical modes and genres in order to consider and assess representations of gender within and across cultures (Core Competencies: Critical Thinking; Communication; Technological Literacy; Information Literacy)	

Name	Tags
ENGL229 - CLO 3	Critical Thinking, Written and Oral Communication (Communication), Historical/Societal Analysis, Information Literacy (Integrated Course Goal), Technological Competency (Technology)
Outcome	
Explain and apply a comparative, feminist analysis of media such as fiction, periodicals, television, the internet, film, or popular music within a global context. (Core Competencies: Critical Thinking; Communication; Historical/Societal Analysis; Information Literacy; Technological Literacy)	

ENGL231 - British Literature I: Beginnings to 18th Century

Course Information

Course Number
231

Course Title (long)
British Literature I: Beginnings to 18th Century

Course Description
Students will read and discuss major works of early British literature from the Anglo-Saxon period through the first half of the 18th century. Readings will include representative works from Chaucer, Shakespeare, Milton, and many others, with particular attention to their historical, social, and political contexts. Note: This course is offered only in the Fall term.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL231](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL231 - CLO 1	Outcome Be able to identify major writers, important texts, and significant contexts in the study of early British literature.
Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy)	

Name ENGL231 - CLO 2	Outcome Be able to discuss literary history and the development of the British literary tradition in the context of texts read for class.
Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy)	

Name ENGL231 - CLO 3	Outcome Be able to utilize literary history and the development of the British literary tradition in term papers about British literary texts.
Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy)	

Name ENGL231 - CLO 4	Outcome Develop critical reading and thinking skills through in-depth examination of selected texts.
Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy)	

Name ENGL231 - CLO 5	Outcome Utilize databases and library research properly in a term paper.
Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy)	

ENGL232 - British Literature II: Romantic Era to The Modern Age

Course Information

Course Number
232

Course Title (long)
British Literature II: Romantic Era to The Modern Age

Course Description
Students will read and discuss major works of British literature from the Romantic, Victorian, and Modern periods. The course will examine a broad and diverse range of poetry, prose, drama, and literary essays, tracing the rise and development of key styles, themes, periods, and movements in British literature over the last 200 or so years. Note: This course is offered only in the Spring term.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL232](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

	Outcome Utilize the defining characteristics of major literary periods (Romantic, Victorian, Modern) and the cultural contexts that informed them in class discussion and written assignments.
Name ENGL232 - CLO 1	
Justification (Core Competencies: Communication; Historical/Societal Analysis; Information Literacy)	

	Outcome Identify major writers, important texts, and significant contexts in the study of British literature from 1800 to the present.
Name ENGL232 - CLO 2	

Justification (Core Competencies: Communication; Historical/Societal Analysis; Information Literacy)

Outcome Discuss literary history and the development of the British literary tradition in the context of texts read for class.	Name ENGL232 - CLO 3
Justification (Core Competencies: Communication; Historical/Societal Analysis; Information Literacy)	

Outcome Utilize literary history and the development of the British literary tradition in term papers about British literary texts.	Name ENGL232 - CLO 4
Justification (Core Competencies: Communication; Historical/Societal Analysis; Information Literacy)	

Outcome Develop critical reading and thinking skills through in-depth examination of selected texts.	Name ENGL232 - CLO 5
Justification (Core Competencies: Communication; Historical/Societal Analysis; Information Literacy)	

Outcome Utilize databases and library research properly in a term paper.	Name ENGL232 - CLO 6
Justification (Core Competencies: Communication; Historical/Societal Analysis; Information Literacy)	

ENGL235 - World Literature I

Course Information

Course Number
235

Course Title (long)
World Literature I

Course Description
The student will read and respond to masterpieces of world literature selected primarily from earliest times to the 18th Century. The works' relevance for contemporary readers will be examined. This broad based exploration of the ancient world, as seen through its literary art, exposes students to a wide variety of cultures, religions, histories and regions. Those regions include works from Africa, the Middle East, China, Japan, India, Central Asia, the Americas and Europe. (Prerequisites: ENGL-095, ENGL-097 or satisfactory completion of the College's foundational studies requirement in writing, READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL-235](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in writing.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

Foundational Studies Requirement in Reading

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in reading

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL235 - CLO 1 Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	Outcome Identify the major forms of early World Literature such as myth, epic, drama, poetry, fairy tales, etc. in class discussions of texts.
Name ENGL235 - CLO 2 Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	Outcome Discuss texts from different cultures using a core vocabulary of literary terms appropriate to the genres.
Name ENGL235 - CLO 3 Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	Outcome Discuss orally and in writing how texts from World Literature illustrate the common human condition and the peculiarities of nations and individual cultures.

Name ENGL235 - CLO 4	Outcome Think critically orally and in writing about the meaning of individual texts from different cultures.
Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	

Name ENGL235 - CLO 5	Outcome Utilize databases and library research effectively and properly to augment a term paper.
Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	

ENGL236 - World Literature II

Course Information

Course Number 236
Course Title (long) World Literature II
Course Description The student will read and respond to selected plays, novels, short stories, and essays of world literature from the 18th Century to the present. The works' relevance for contemporary readers will be examined. This broad based exploration of the modern world, as seen through its literary art, exposes students to a wide variety of cultures, religions, histories and regions. Those regions include works from Africa, the Middle East, China, Japan, India, Central Asia, the Americas and Europe. (Prerequisites: ENGL-095, ENGL-097 or satisfactory completion of the College's foundational studies requirement in writing, READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English
Syllabus (Ctrl + click) ENGL-236		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Writing
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Course Sets:
Foundational Studies Requirement in Writing
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in writing.

Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: - Foundational Studies Requirement in Reading OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in reading.

Name ENGL236 - CLO 4 Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	Outcome Think critically orally and in writing about the meaning of individual texts from different cultures.

Name ENGL236 - CLO 5 Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	Outcome Utilize databases and library research effectively and properly to augment a term paper.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL236 - CLO 1 Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	Outcome Identify the major forms of World Literature from 1800 to the present such as short story, novel, essay, poetry, social drama, etc. in in class discussions of texts.

Name ENGL236 - CLO 2 Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	Outcome Discuss texts from different cultures using a core vocabulary of literary terms appropriate to the genres.

Name ENGL236 - CLO 3 Justification (Core Competencies: Communication; Critical Thinking, Historical/Societal Analysis; Information Literacy; Community and Workplace)	Outcome Discuss orally and in writing how texts from World Literature illustrate the common human condition and the peculiarities of nations and individual cultures.

ENGL245 - American Literature I

Course Information

Course Number

245

Course Title (long)

American Literature I

Course Description

This survey of Early American literature from the Puritans to Walt Whitman covers such writers as Ann Bradstreet, Ben Franklin, Jonathan Edwards, Edgar Allan Poe, Nathaniel Hawthorne, Emerson and others. Emphasis is placed on literary movements like Transcendentalism, as well as on how American literature reflects American culture.

Credit Hours

Min:

3

Billing Hours

Min:

3

General Education Competencies

Humanities (HU)

School

School of Business,
Humanities and Social
Science

Division

Division of English &
College Success

Department(s) ~*

English

Syllabus (Ctrl + click)

[ENGL-245](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL245 - CLO 1	Outcome Utilize the literary and philosophic ideas that influenced American literature before 1900 to comment upon specific works by Early American authors in discussion and in writing.
Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	

Name ENGL245 - CLO 2	Outcome Discuss each author's work as a unique product of his or her individual talent and circumstances.
Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	

Name ENGL245 - CLO 3	Outcome Utilize a literary vocabulary correctly in discussion and in writing.
Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	

Name ENGL245 - CLO 4	Outcome Use the library and library databases to do significant research that is used effectively in discussion and in writing.
Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	

Name ENGL245 - CLO 5	Outcome Create an acceptable college level paper using complex research appropriately.
Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	

Name ENGL245 - CLO 6	Outcome Compare and contrast authors and ideas from early American society in an essay exam.
Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	

ENGL246 - American Literature II

Course Information

Course Number
246

Course Title (long)
American Literature II

Course Description
Students will read works reflecting America's literary growth and evolution in the 20th century. Major writers will be studied in an effort to determine their stature and influence on American literature.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL-246](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL246 - CLO 1 Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	Outcome Utilize the literary and philosophic movements that influenced American literature after 1900 to comment upon specific works by American authors in discussion and in writing.

Name ENGL246 - CLO 2 Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	Outcome Discuss each author's work as a unique product of his or her individual talent and circumstances.

Name ENGL246 - CLO 3 Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	Outcome Utilize a literary vocabulary correctly in discussion and in writing.

Name ENGL246 - CLO 4 Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	Outcome Use the library and library databases to do significant research that is used effectively in discussion and in writing.

Name ENGL246 - CLO 5 Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	Outcome Create an acceptable college level paper using complex research appropriately.

Name ENGL246 - CLO 6 Justification (Core Competencies: Communication; Critical Thinking; Historical/Societal Analysis; Information Literacy)	Outcome Compare and contrast authors and ideas from early American society in an essay exam.

ENGL247 - The Literature of Bob Dylan

Course Information

Course Number
247

Course Title (long)
The Literature of Bob Dylan

Course Description
This course will focus on the most critically acclaimed poem/songs of Bob Dylan's career as well as cover the broader catalog of Dylan's art. The class will explore the poetic devices, images, ind themes that contribute to Dylan's cultural, historical, and artistic impact and that have recently earned him the recipient of a Nobel Prize for Literature award. (Prerequisite(s): READ-095 and ENGL-095 or satisfactory completion of the College's foundational studies requirement in reading and writing)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English
Syllabus (Ctrl + click) ENGL247		

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

Foundational Studies Requirement in Reading

*Must be READ-095

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL247 - CLO 1	Outcome Analyze and interpret literary texts.
Name ENGL247 - CLO 2	Outcome Articulate issues in literature in relation to themes, gemes, and critical theories.
Name ENGL247 - CLO 3	Outcome Synthesize information from texts, coursework, and class discussions effectively.
Name ENGL247 - CLO 4	Outcome Apply critical or theoretical approaches to literature.
Name ENGL247 - CLO 5	Outcome Write literary analysis essays.
Name ENGL247 - CLO 6	Outcome Experience and evaluate the language of poetic form through song.

ENGL265 - Children's Literature

Course Information

Course Number
265

Course Title (long)
Children's Literature

Course Description
The student will read and respond to a variety of works in children's literature. Principles of criticism will be applied to literature and artistic elements in children's books. The role of literature in the education of the imagination will be explored.
NOTE: This course is offered only in the Fall term.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English

Syllabus (Ctrl + click)
[ENGL-265](#)

Name ENGL265 - CLO 4	Outcome Write evaluative annotations of titles read.
Justification (Core Competencies: Communication; Information Literacy)	

Name ENGL265 - CLO 5	Outcome Participate in a discussion of children's books.
Justification (Core Competencies: Communication; Information Literacy)	

Name ENGL265 - CLO 6	Outcome Explore in depth various areas of interest in children's literature.
Justification (Core Competencies: Communication; Information Literacy)	

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENGL265 - CLO 1	Outcome Read and analyze a wide range of children's literature.
Justification (Core Competencies: Communication; Information Literacy)	

Name ENGL265 - CLO 2	Outcome Apply principles of literary criticism in evaluating these works.
Justification (Core Competencies: Communication; Information Literacy)	

Name ENGL265 - CLO 3	Outcome Appraise illustrations of selected children's books.
Justification (Core Competencies: Communication; Information Literacy)	

ENGL266 - Young Adult Literature: Books and the Adolescent

Course Information

Course Number
266

Course Title (long)
Young Adult Literature: Books and the Adolescent

Course Description
The student will explore the domain of young adult literature by reading a sampling from various genres published for readers ages twelve and up. Students will apply principles of criticism in written and oral discussion.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	English
Syllabus (Ctrl + click) ENGL-266		

Justification
(Core Competencies: Communication; Information Literacy)

Name	Outcome
ENGL266 - CLO 4	Compare and contrast texts which are similar in genre, theme, or style.
Justification (Core Competencies: Communication; Information Literacy)	

Name	Outcome
ENGL266 - CLO 5	Demonstrate that his or her interpretations are based on the actual texts.
Justification (Core Competencies: Communication; Information Literacy)	

Name	Outcome
ENGL266 - CLO 6	Utilize the Internet, email, and databases available in the library to augment their understanding of the works assigned.
Justification (Core Competencies: Communication; Information Literacy)	

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ENGL266 - CLO 1	Discuss the intended reader for young adult literature texts.
Justification (Core Competencies: Communication; Information Literacy)	

Name	Outcome
ENGL266 - CLO 2	Utilize critical criteria for evaluating the literature of various genres in a wide variety of young adult literature texts.
Justification (Core Competencies: Communication; Information Literacy)	

Name	Outcome
ENGL266 - CLO 3	Discuss and analyze works assigned in class.

ENVR107 - Environmental Science

Course Information

Course Number
107

Course Title (long)
Environmental Science

Course Description
This introductory laboratory science course integrates the biological, chemical, political, and economic aspects of the environment as they relate to environmental sustainability, pollution, natural resource conservation, and the enactment of environmental policies. The course draws on the foundations of ecology to understand how human population growth and resulting technology affect individual species, biodiversity, and ecosystem health. The laboratory component of the course will, through field experiences, computer simulations, and laboratory analyses, employ the scientific method of inquiry as a tool to analyze real-world environmental data to quantify human impacts leading to potential solutions to environmental problems. Students will not receive credit for both ENVR-105 and ENVR-107. Students should select either ENVR-105 or ENVR-107 based on general education requirements or career goals. Students completing ENVR-105 prior to Fall 2009 should consult their counselor before registering for ENVR-107. (Prerequisite or Corequisite: MATH-021, MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra, READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies		
Sciences (SC)		
School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Environmental Sciences

Syllabus (Ctrl + click)
[ENVR107](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Algebra](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in algebra.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENVR107 - CLO 1	Outcome Discuss the ecological concepts related to species, populations, communities, ecosystems, evolution, ecological niche, adaptation, genetics, carrying capacity, natural capital, ecosystem services, and extinction.
Name ENVR107 - CLO 2	Outcome Explain planetary biogeochemical and nutrient cycling.
Name ENVR107 - CLO 3	Outcome Discuss how agricultural practices, water and air pollution, use of renewable and non- renewable resources, creation of solid and hazardous wastes, and production of traditional and alternative energy paths are impacting the planet.
Name ENVR107 - CLO 4	Outcome Investigate the environmental worldviews, politics and economics driving the human impact.

Name ENVR107 - CLO 5	Outcome Employ the scientific method of inquiry to gather and use information for information analysis, problem solving, and critical thinking.
Name ENVR107 - CLO 6	Outcome Use appropriate verbal and writing skills to communicate hypotheses, results and analysis.
Name ENVR107 - CLO 7	Outcome Apply environmental concepts in a laboratory setting.

ENVR108 - Principles of Sustainability

Course Information

Course Number 108
Course Title (long) Principles of Sustainability
Course Description Sustainability involves meeting basic human needs without undermining human communities, culture, or natural environments. This difficult goal requires recognition of the complex interrelationships among environmental, economic, and social forces and reexamination of our relationships to technology, natural resources, natural science, human development and/or local to global politics. Students will be introduced to a variety of topics including climate change and environmental pollution, economic globalization, north-south disparity, local and global strategies, agriculture and sustainable food production, environmental ethics and history, and social justice. The course facilitates deeper student exploration of complex interrelationships among contemporary environmental, social, and economic problems and the solutions to overcome them. In addition, it will help students articulate personal philosophies to guide more sustainable lifestyles (i.e. choices for resource use and other behaviors)(Prerequisites: MATH-021 or MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra, and READ-092 or READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies Sciences (SC)		
School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Environmental Sciences
Syllabus (Ctrl + click) ENVR108		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Algebra
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Algebra
OR

Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in algebra.			
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: <table border="1"> <tr> <td> Criteria 1 Complete at least 1 courses in the following course sets: <u>Foundational Studies Requirement in Reading</u> </td> </tr> <tr> <td> ————— OR ————— </td> </tr> <tr> <td> Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in reading. </td> </tr> </table>	Criteria 1 Complete at least 1 courses in the following course sets: <u>Foundational Studies Requirement in Reading</u>	————— OR —————	Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in reading.
Criteria 1 Complete at least 1 courses in the following course sets: <u>Foundational Studies Requirement in Reading</u>			
————— OR —————			
Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in reading.			

Name ENVR108 - CLO 5	Outcome Use appropriate verbal and writing skills to communicate details of the scientific method including hypotheses, results and analyses.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENVR108 - CLO 1	Outcome Define sustainability and understand how concepts of sustainability are connected to issues of social justice, the environment, and the economy at local, regional, and global levels.

Name ENVR108 - CLO 2	Outcome Demonstrate knowledge of key concepts related to the study of sustainability, including planetary carrying capacity, climate change, and ecological footprint.

Name ENVR108 - CLO 3	Outcome Explain how sustainability relates to their lives and their values, and how their actions impact issues of sustainability at the individual, and at local, regional, and global levels.

Name ENVR108 - CLO 4	Outcome Use the scientific method of inquiry to investigate the environmental worldviews, politics and economics driving the human impact.

ENVR111 - Oceanography

Course Information

Course Number
111

Course Title (long)
Oceanography

Course Description
This introductory laboratory science course focuses on the fundamental principles of ocean science including the geography and geology of ocean basins, the chemistry of seawater, the physical dynamics of currents, waves, and tides, the biological composition of the world's oceans, and coastal processes. The relationships and interactions among these oceanic components and processes will be analyzed. Laboratory and field experiences will include the use of computer simulations, scientific data collection and interpretation, examination of in-situ coastal processes, chemical analyses of seawater and the collection of marine organisms.(Prerequisite or Corequisite: MATH-021, MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Environmental Sciences

Syllabus (Ctrl + click)
[ENVR111](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Algebra](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in algebra.

Corequisite
Type
Corequisite

Fulfill ANY of the following requirements:

Criteria 1

Enroll in the following Course Sets:

• [Foundational Studies Requirement in Algebra](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in algebra.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENVR111 - CLO 1	Outcome Explain the basic theories, concepts and ideas behind the physical, chemical, geological and biological components that shape the world's oceans.
Name ENVR111 - CLO 2	Outcome Analyze and interpret oceanographic process and oceanographic issues including the physical, chemical, geological and biological components of the world's ocean systems.
Name ENVR111 - CLO 3	Outcome Understand and appreciate the importance of Oceanography in today's rapidly changing world.
Name ENVR111 - CLO 4	Outcome Describe the common techniques employed within the study of oceans.
Name ENVR111 - CLO 5	Outcome Identify and demonstrate the proper use of equipment in oceanographic research.
Name ENVR111 - CLO 6	Outcome Identify and characterize several representative marine organisms.

ENVR127 - Meterology

Course Information

Course Number
127

Course Title (long)
Meterology

Course Description
This introductory laboratory science course focuses on the physical and chemical processes that affect Earth's weather and climate by examining the composition and structure of the atmosphere and the sources of energy and moisture driving atmospheric processes. The causes of climatic events and the impacts of human activities on weather and climate will also be explored in the context of severe weather events, global warming and stratospheric ozone depletion. The laboratory component includes experiments, workbook exercises, and real-time computer weather graphics and simulations that enable students to measure, analyze, and interpret real world meteorological data utilizing the scientific method of inquiry. (Prerequisites: MATH-021, MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra, and READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies		
Sciences (SC)		
School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Environmental Sciences

Syllabus (Ctrl + click)
[ENVR127](#)

Course Requirements

Simple Requisites

Prerequisite
Type Prerequisite
Foundational Studies Requirement in Algebra
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Algebra
OR
Criteria 2

OR:
Satisfactory completion of the College's foundational studies requirement in algebra.
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
ENVR127 - CLO 1	Discuss the effects of changes in the atmosphere on the planet.
ENVR127 - CLO 2	Demonstrate the ability to research meteorological data, form hypotheses, and analyze the data.
ENVR127 - CLO 3	Demonstrate communication skills in writing research papers and lab reports.

ENVR130 - Physical Geology

Course Information

Course Number
130

Course Title (long)
Physical Geology

Course Description
This laboratory science course focuses on the fundamental principles of Earth Science including the formation, history and composition of the Earth. The relationships and interactions among rocks, minerals, and geologic processes will be analyzed. Students will study and discuss the nature, distribution and origin of the materials that make up the Earth and the way in which these materials formed the current landscape; as well as the processes and forces that alter, transport and distort that landscape. Laboratory and field experiences will include the use of computer simulations, scientific data collection and analysis and examination of in-situ rock formations. (Note: Completion of a college level science course with lab prior to taking ENVR 130 is highly encouraged.)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Environmental Sciences

Syllabus (Ctrl + click)
[ENVR130](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ENVR130 - CLO 1	Outcome Apply basic geological concepts to analyze and interpret chemical, geological and biological components of the Earth.
Name ENVR130 - CLO 2	Outcome Use appropriate verbal and writing skills to explain the basic theories, concepts and ideas behind the physical, chemical, geological and biological components that shape the Earth's surface.

Name ENVR130 - CLO 3	Outcome Employ the scientific method of inquiry to collect and analyze geological information for critical thinking, information analyses, and problem solving. Use mathematical and scientific reasoning for problem solving.
Name ENVR130 - CLO 4	Outcome Employ appropriate technology to analyze geological processes and issues.

ENVR225 - Energy and the Environment

Course Information

Course Number
225

Course Title (long)
Energy and the Environment

Course Description
This course will introduce the student to the history of energy resources and current fossil fuel use. In addition, various forms of sustainable energy will be discussed including hydroelectric power, solar energy, wind energy, and biomass energy. There will be a focus on the efficiencies of various energy technologies. Obstacles and solutions for widespread implementation of renewable energy will be examined, as well as positive and negative environmental impacts. (Prerequisites: ENVR-107 or ENVR-108)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Environmental Sciences

Syllabus (Ctrl + click)
[ENVR225](#)

ENVR295 - Special Project - Environmental Sciences

Course Information

Course Number
295

Course Title (long)
Special Project - Environmental Sciences

Credit Hours

Min:	Max:
1	4

Department(s) ~*
Environmental Sciences

ENVR299 - Environmental Science Internship

Course Information

Course Number
299

Course Title (long)
Environmental Science Internship

Course Description
Students will work in an internship related to environmental studies and complete internship learning objectives under faculty supervision. Approval of instructor and Academic Division Dean required. (Prerequisites: ENVR-107, ENVR-108, ENVR-111 or related science course and approval of instructor and Career Services Representative)

Credit Hours

Min:	Max:
1	6

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Environmental Sciences

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ANY of the following Courses:

- ENVR107 - Environmental Science
- ENVR108 - Principles of Sustainability
- ENVR111 - Oceanography

OR

Criteria 2

Fulfill ALL of the following requirements:

- Related science course.
- Approval of instructor and Career Services Representative.

EOFBRDG - EOF Summer Bridge Program

Course Information

Course Number

BRDG

Course Title (long)

EOF Summer Bridge Program

Course Description

The EOF Summer Bridge Program is a rigorous college transitions program designed to promote college success, provides in coming first year students participating in the Educational Opportunity Fund, the opportunity to strengthen their academic skills, build an effective community, and familiarize themselves with the college and its resources, prior to start of their first year of college.

Credit Hours

Min:

0

Department(s) ~*

Counseling

EOFCRWRKPS - Eof Career & Workplace Success Seminar

Course Information

Course Number

CRWRKPS

Course Title (long)

Eof Career & Workplace Success Seminar

Course Description

Utilizing an interactive learning curriculum, students are introduced to and provided opportunity to explore and apply the core skills and behaviors associated with career and workplace success. Instructional activities place an emphasis on promoting career direction and hands-on engaging activities focus on interpersonal and professional skills needed to achieve success in the workplace. Students will be able to develop a portfolio that identifies how their academic, experiential, and extracurricular experiences can contribute to developing a pathway to their career and workplace readiness.

Credit Hours

Min:

0

Department(s) ~*

Counseling

EOFLRNG - EOF College Learning & Study Skills

Course Information

Course Number

LRNG

Course Title (long)

EOF College Learning & Study Skills

Course Description

This 8 week program is designed to increase the capacity of students to become strategic learners as they raise their awareness about and use of learning and study strategies related to skill, will and self-regulation components of strategic learning. This preparation is to promote a student's ability to manage successfully at a high level his/her college studies.

Credit Hours

Min:

0

Department(s) ~*

Counseling

EOFSRVII - EOF Service Leadership II

Course Information

Course Number

SRVII

Course Title (long)

EOF Service Leadership II

Course Description

Student participants in the EOF Rising Leaders Academy, a Federal Work Study supported two semester service-based civic engagement program, explore local and global issues of choice as they participate in team focused and project-based learning through community service, issue advocacy, and public education activities. In comparison to the fall program, spring participants have increased responsibility for service project management assignments, including serving as an RLA liaison to organizations worked with, while leading/coordinating projects. In addition, participants are responsible for recruiting student volunteers for selected projects. Students who are not a part of the fall program must apply for acceptance to the spring program, be accepted, and may then register for the spring program. Students must have an interest in organizing and participating in projects which address varied social issues, including hunger, homelessness, environmental sustainability, civil and human rights, diversity relations, and increasing civic engagement within our communities.

Credit Hours

Min:

0

Department(s) ~*

Counseling

EOFSRVLD - EOF Service Leadership

Course Information

Course Number
SRVLD

Course Title (long)
EOF Service Leadership

Course Description
Student participants in the EOF Rising Leaders Academy, a Federal Work Study supported two semester service-based civic engagement program, explore local and global issues of choice as they participate in team focused project-based learning through community service, issue advocacy, and public education activities. Students must have an interest in organizing and participating in projects which address varied social issues, including hunger, homelessness, environmental sustainability, civil and human rights, diversity relations, and increasing civic engagement within our communities.

Credit Hours

Min:
0

Department(s) ~*
Counseling

EOFTRNPRES - EOF Transfer Preparation Seminar Series

Course Information

Course Number
TRNPRES

Course Title (long)
EOF Transfer Preparation Seminar Series

Course Description
Students seeking to transfer to a four year college are introduced to, supported, and guided through the transfer completion process. This includes identifying schools of choice, competing admission applications, visiting schools, evaluating transfer credit options, selecting a major, completing the financial aid process and researching scholarship opportunities, connecting the selection of a major to career choices, and gaining insight into the academic, intellectual, and social dimensions of the four year college experience.

Credit Hours

Min:
0

Department(s) ~*
Counseling

EOFTUTR - EOF Tutoring

Course Information

Course Number
TUTR

Course Title (long)
EOF Tutoring

Course Description
A significant challenge for students is the successful completion of basic skill or remedial math courses. EOF Tutoring consists of weekly math supervised study sessions providing class-based support in mastering course material. Sessions are held in computer labs allowing students to complete homework, quizzes, and test prep assignments. One to one tutoring is also made available.

Credit Hours

Min:
0

Department(s) ~*
Counseling

EOFWRKRD - EOF Work Readiness Program

Course Information

Course Number
WRKRD

Course Title (long)
EOF Work Readiness Program

Course Description
Class room instruction and use of web-based learning systems prepares students to transfer workforce readiness skills to various job settings, use new skills and to take responsibility for one's learning on the job, apply skills in a variety of contexts, and assist students with applying for positions in many workplaces. Emphasis is placed on hands-on engaging activities that focus on interpersonal and professional skills needed to achieve success in the workplace.

Credit Hours

Min:
0

Department(s) ~*
Counseling

ESL010 - ESL Skills Workshop

Course Information

Course Number
010

Course Title (long)
ESL Skills Workshop

Course Description
This course is designed for ESL students who receive a "D" or an "F" in ESL 011, 021, or 031. Students will demonstrate improvement in designated skill areas which have been diagnosed as sub-standard for the course in which he or she did not earn a grade of at least "C". Course content/competencies will be determined by the individually diagnosed needs of the student in question. These may include: oral fluency, designated grammar points and/or expository writing. The student will set up an individualized program with the instructor, and spend 2-6 hours per week (depending on the number of credits being attempted) with a tutor, in the ESL computer lab and/or attending ESL conversation groups. Students will also complete assignments at home. (Prerequisite: Permission of instructor)

Credit Hours

Min:	Max:
1	6

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- Permission of instructor.

ESL035 - American Culture for ESL

Course Information

Course Number
035

Course Title (long)
American Culture for ESL

Course Description
This course is designed for students of English as a Second Language who are presently at the advanced (ESL 031-032-225) level. American culture and cross-cultural communication are the vehicles used for improving students' English proficiency in speaking, reading and writing. The information and skills taught are intended to help students understand and adapt to American culture and to cultural differences affecting their communication with speakers of American English. This is a developmental course and will not be counted toward degree requirements. (Prerequisite: ESL-012 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- ESL012 - Academic English As a Second Language II Language II

OR

Criteria 2

OR:

- Permission of instructor.

ESL103 - Listening and Speaking for Non-Native Speakers

Name ESL103 - CLO 5	Outcome Understand spoken colloquialisms taught in the course.

Course Information

Course Number
103

Course Title (long)
Listening and Speaking for Non-Native Speakers

Course Description
This course is designed for non-native speakers of English at the elementary-intermediate level who need to develop their listening and speaking skills. Students will work on basic pronunciation rules, listening cues, and useful vocabulary. They will learn how to respond to a variety of everyday topics, giving students the skills and confidence to communicate in everyday situations, including the classroom.

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Languages/ESL

Syllabus (Ctrl + click)
[ESL-103](#)

Course Learning Outcomes

Upon completion of this course, a successful student will be able to properly:

Name ESL103 - CLO 1	Outcome Use tag questions and negative questions.
Name ESL103 - CLO 2	Outcome Use follow-up questions to drive a conversation forward.
Name ESL103 - CLO 3	Outcome Distinguish and pronounce minimal pairs.
Name ESL103 - CLO 4	Outcome Pronounce past tense -ed and final -s endings.

ESL104 - Conversation Strategies for Non-Native Speakers

Course Information

Course Number
104

Course Title (long)
Conversation Strategies for Non-Native Speakers

Course Description
This course is designed for non-native speakers of English at the intermediate-advanced level who wish to develop their oral communication skills. A variety of media will be used to stimulate conversation and expression. Students will learn a variety of everyday American English idiomatic expressions.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[ESL-104](#)

Course Learning Outcomes

Upon completion of this course, a successful student will be able to :

Name ESL104 - CLO 1	Outcome Understand the main ideas and most supporting details in discourse on a variety of general interest topics, such a news stories, explanations, instructions, and anecdotes.
Name ESL104 - CLO 2	Outcome Engage in conversations with native speakers with linguistic ease and confidence.
Name ESL104 - CLO 3	Outcome Have sufficient control of basic structures and generic vocabulary to be understood by native speakers of English, including those unaccustomed to non-native speech.

FASH15A - Fashion Design II

Course Information

Course Number
15A

Course Title (long)
Fashion Design II

Course Description
Students will continue the study of techniques and materials required to construct sewn products as well as advanced concepts and terminology of industrial garment production. Some of the topics covered include: knit fabrics and construction, bias and bias treatments and tailoring. Upon completion of this course, students will demonstrate a mastery of more complicated assembly methods through the use of commercial and production patterns by producing samples and sample garments. Prior experience with sewing is required. (Prerequisite: FASH-131)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: FASH131 - Apparel Construction I

FASH121 - Introduction to the Fashion Business

Course Information

Course Number
121

Course Title (long)
Introduction to the Fashion Business

Course Description
The student will explore the nature of fashion, the way in which it develops and the environmental influences on the movement of fashion. Students will delve into all aspects of production of apparel and accessories from fiber to finished garment.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH-121](#)

Name FASH121 - CLO 1	Outcome Utilize terminology specific to the fashion industry.
Name FASH121 - CLO 2	Outcome Explain the making of fashion goods from raw materials to finished products.
Name FASH121 - CLO 3	Outcome Identify the characteristics of domestic and foreign fashion centers.
Name FASH121 - CLO 4	Outcome Examine the buying and merchandising functions in the fashion business.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

FASH122 - Textile Science

Course Information

Course Number
122

Course Title (long)
Textile Science

Course Description
Students will study textile materials with emphasis on factors which affect the hand, appearance and performance. Students will learn the properties of a wide variety of textile fabrics and dyeing and finishing techniques. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH122](#)

Name FASH122 - CLO 1	Outcome Understand the field of textiles including natural and man-made fibers, weaving and knitting techniques, coloring, as well as applied finishes as they relate to uses in the apparel and home furnishings markets.
Name FASH122 - CLO 2	Outcome Identify different fibers and fabrics.
Name FASH122 - CLO 3	Outcome Determine the best choice for a specific end use and decide which, if any, aesthetic and/or performance finishes are required.

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

FASH131 - Apparel Construction I

Course Information

Course Number
131

Course Title (long)
Apparel Construction I

Course Description
Students will study the fundamentals of clothing construction and basic industry techniques. Regarding construction, students will learn terms and methods, application of notions, usage of sewing machines and various lab equipment, and application of commercial patterns. Students will also learn to gather inspiration and translate their design ideas into 2D renderings on fashion croquis. No prior experience with sewing is required.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH-131](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name FASH131 - CLO 1	Outcome Discuss the influential themes and concepts used in modern fashion design.
Name FASH131 - CLO 2	Outcome Utilize industrial equipment to precisely create sewing samples in a book format.
Name FASH131 - CLO 3	Outcome Create a concept board of a personalized design, including theme, sketches, swatches and inspiration.
Name FASH131 - CLO 4	Outcome Identify sewing terminology, equipment and notions used in the fashion industry.
Name FASH131 - CLO 5	Outcome Construct a finished garment for personal or model size use.
Name FASH131 - CLO 6	Outcome Identify fabrics suitable for design ideas.

FASH132 - Apparel Construction II

Course Information

Course Number
132

Course Title (long)
Apparel Construction II

Course Description
Students will continue the study of techniques and materials required to construct sewn products as well as advanced concepts and terminology of industrial garment production. Some of the topics covered include: knit fabrics and construction, bias and bias treatments, and tailoring. Upon completion of the course, students will demonstrate a mastery of more complicated assembly methods through the use of commercial and production patterns by producing samples and sample garments. Prior experience with sewing required. (Prerequisite(s): FASH-131)Lab hours will include an introduction to flat patternmaking, draping, and tailoring. Students will design and construct garments to walk in the annual Fashion Show. An emphasis will be placed on experimentation and creativity in apparel design.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH132](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- FASH131 - Apparel Construction I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name FASH132 - CLO 1	Outcome Discuss the influential themes and concepts used in modern fashion design.

Name FASH132 - CLO 2	Outcome Utilize equipment to precisely create sewing samples.
Name FASH132 - CLO 3	Outcome Identify sewing terminology, equipment and notions used in the fashion industry.
Name FASH132 - CLO 4	Outcome Construct a finished piece.
Name FASH132 - CLO 5	Outcome Identify knit and woven fabrics for fashion use.
Name FASH132 - CLO 6	Outcome Understand the use of knits and wovens in apparel construction and design.

FASH212 - Visual Merchandising and Display

Course Information

Course Number
212

Course Title (long)
Visual Merchandising and Display

Course Description
Students will apply the principles and methods of displaying, promoting, and merchandising fashion apparel and accessories. They will analyze and critique displays of fellow students as well as displays created by professionals for area retailers. Through comprehensive projects, students will demonstrate and present methods of displaying merchandise and develop a basic understanding of the use of showcases equipment, materials and lighting in creating effective displays. Students are required to participate in field trip exercises and will need a camera (film or digital) and access to a computer.(Prerequisites: FASH-121)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH-212](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- FASH121 - Introduction to the Fashion Business

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name FASH212 - CLO 1	Outcome Communicate information and ideas clearly and effectively in the written and spoken form and will demonstrate effective listening and reading skills

Name FASH212 - CLO 2	Outcome Use visual, verbal, or written methods to articulate a response to the arts and/or humanities.
Name FASH212 - CLO 3	Outcome Use computer systems and other appropriate forms of technology to achieve professional, educational, and personal objectives.
Name FASH212 - CLO 4	Outcome Think clearly, critically and creatively to analyze information, identify solutions, make logical decisions and solve problems.

FASH213 - Buying and Merchandise Math

Course Information

Course Number
213

Course Title (long)
Buying and Merchandise Math

Course Description
Students will study the principles of selection, sources of buying information and the responsibilities of buyers in different types of retail firms. They will analyze fashion trends and consumer motivation and their effect on retail merchandising. They will learn the fundamental tools of the trade, including retail pricing, six-month merchandise plans, open-to-buy, and the retail method of inventory through practical applications. (Prerequisite: FASH-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service
Syllabus (Ctrl + click) FASH-213		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses:
FASH121 - Introduction to the Fashion Business

Course Learning Outcomes

Name FASH213 - CLO 1	Outcome Students will be involved in the study of basic retail operations and store management, including consumer behavior, location and site analysis, merchandising practices and policies, and retail advertising.

Name FASH213 - CLO 2	Outcome Become familiar with the overall responsibilities and duties of the buyer and assistant buyer.
Name FASH213 - CLO 3	Outcome Recognize and understand the relationships and methods of organizing a department or retail store.
Name FASH213 - CLO 4	Outcome Understand the various factors that affect and determine retail assortments.
Name FASH213 - CLO 5	Outcome Understand the concepts and key decision making tools that enable retailing buyers to plan well balanced assortments that will maximize profits.
Name FASH213 - CLO 6	Outcome Understand the different types of merchandise resources available to retailing buyers, how they are determined, and the importance of good working relationships with vendors.

FASH215 - Fashion Illustration

Course Information

Course Number
215

Course Title (long)
Fashion Illustration

Course Description
Students will learn the fundamental and advanced techniques specific to fashion design utilizing Adobe Illustrator and Photoshop. Student will focus on digital design, development sketching techniques, color stories, silhouette, and designing a line. (Prerequisite(s): FASH-131)During lab hours, students will gain a deeper understanding of computer programs such as Adobe Illustrator and Photoshop. Students will learn how to utilize these platforms to make tech packs. Additionally, students will learn hand sketching and practice drawing different posing referencing 9-heads Croquis.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH215](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
FASH131 - Apparel Construction I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
FASH215 - CLO 1	Design drawings of clothing, silhouettes, and textile prints.

Name	Outcome
FASH215 - CLO 2	Demonstrate knowledge in computer aided design utilizing designated programs.

Name	Outcome
FASH215 - CLO 3	Identify the differences in each program used and how to apply to designs.

Name	Outcome
FASH215 - CLO 4	Develop an electronic portfolio of images and designs created.

FASH220 - Product Development in the Fashion Industry

Course Information

Course Number
220

Course Title (long)
Product Development in the Fashion Industry

Course Description
In this course students will learn how research is conducted in the fashion industry and how it is ultimately reflected in garment design. Students will be able to understand, analyze, and forecast fashion trends in order to develop products from concept to consumer, with focus on sustainability. The course will take students step-by-step through the decision making involved in product development, including-- planning, forecasting, fabricating, color management, line development, creative design, technical design, quality assurance, sourcing, and pricing of merchandise.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service
Syllabus (Ctrl + click) FASH-220		

Name FASH220 - CLO 5	Outcome Recognize the effect of fiber, yarn, construction, and finish on utilitarian properties.
Name FASH220 - CLO 6	Outcome Understand the functional relationship between merchandising and design.
Name FASH220 - CLO 7	Outcome Recognize garment classifications and how different design details affect garment cost and production scheduling.
Name FASH220 - CLO 8	Outcome Create a detailed tech pack for various garments and accessories.

Course Learning Outcomes

Name FASH220 - CLO 1	Outcome Examine the changing dynamics of apparel product development.
Name FASH220 - CLO 2	Outcome Gain an understanding of apparel companies and their supply chains.
Name FASH220 - CLO 3	Outcome Demonstrate a working knowledge of trend forecasting.
Name FASH220 - CLO 4	Outcome Identify the impact on color decisions throughout the product development process utilizing basic knowledge of color theory.

FASH224 - Case Studies and Executive Development In Fashion Merchandising

Course Information

Course Number
224

Course Title (long)
Case Studies and Executive Development In Fashion Merchandising

Course Description
The student will develop techniques in problem-solving on a middle management level. The student will gain experience in decision-making through the case study method in areas of buying, selling, personnel, sales promotion, vendor/store relations, and own-brand and exclusivity. The student will also develop basic skills in supervision and leadership. (Prerequisites: A grade of "C" or higher in FASH-122, FASH-212)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH-224](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- FASH122 - Textile Science - FASH212 - Visual Merchandising and Display

Course Learning Outcomes

Upon completion of this course, students will be able to:

	Outcome
Name	Evaluate company/industry problems and/or opportunities including product line, sourcing, promotion, pricing, sales management, and customer service to retail situations and bring them to a successful resolve.
FASH224 - CLO 1	

	Outcome
Name	Present and implement a solution within a dynamic management structure.
FASH224 - CLO 2	

FASH225 - Survey of Historic Costume

Course Information

Course Number
225

Course Title (long)
Survey of Historic Costume

Course Description
Students will analyze historic costume of the Western World, from antiquity to the 21st Century, through illustrated lectures. The costume of each period will be viewed within its historical, cultural, and economic context. (Prerequisite: FASH-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH225](#)

Name FASH225 - CLO 3	Outcome Relate historical costume design to contemporary dress.
Name FASH225 - CLO 4	Outcome Describe, define, and/or identify clothing forms associated with various ancient civilizations and time periods of selected Western civilizations.
Name FASH225 - CLO 5	Outcome Recognize similarities and differences in clothing forms used by selected civilizations and the effect of technological and natural resources on the development of clothing patterns.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: FASH121 - Introduction to the Fashion Business

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name FASH225 - CLO 1	Outcome Identify costumes and style features of selected historical periods of the Western world from the time of the Egyptians to the1990s.
Name FASH225 - CLO 2	Outcome Understand costume as an expression of the cultures of various historical periods.

FASH235 - Global Sourcing and Sustainability in Fashion

Course Information

Course Number
235

Course Title (long)
Global Sourcing and Sustainability in Fashion

Course Description
Students will study global concepts as they pertain to the textile and apparel industry. Students will learn about sourcing options and sustainability initiatives in the fashion industry. (Prerequisites: A grade of "C" or higher in FASH-122, FASH-212)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH235](#)

Course Requirements

No Requirements

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name FASH235 - CLO 1	Outcome Identify target consumers and competition in international markets.
Name FASH235 - CLO 2	Outcome Evaluate the sourcing and sustainability trends in the apparel and textile industry and identify the career options in exploring these fields.
Name FASH235 - CLO 3	Outcome Demonstrate knowledge regarding the differences among sourcing, outsourcing, global sourcing, and global supply chain management.

Name FASH235 - CLO 4	Outcome Explain the advantages and disadvantages of global sourcing.

FASH295 - Special Project - Fashion

Course Information

Course Number
295

Course Title (long)
Special Project - Fashion

Course Description
Students may choose to specialize or investigate some area in greater depth by selecting 1-3 credits in this individual learning course for the major. (Prerequisites: 6 credits in Fashion Merchandising Program and permission of instructor.)

Credit Hours
Min:1Max:3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ALL of the following requirements: 6 credits in Fashion Merchandising Program and permission of instructor.

FASH299 - Fashion Merchandising Internship

Course Information

Course Number
299

Course Title (long)
Fashion Merchandising Internship

Course Description
Students will work in a job related to their program, participate in programs on campus and complete an internship workbook based on the work experience gained. (Prerequisites: 30 credits to include 15 credits of career studies, permission of instructor and Career Services Representative)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[FASH299](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Fulfill ALL of the following requirements:
30 credits to include 15 credits of career studies. - Permission of instructor and Career Services Representative.

FITN106 - Fitness Workouts

Course Information

Course Number
106

Course Title (long)
Fitness Workouts

Course Description
The student with the assistance of the instructor will be able to identify the appropriate exercise equipment, its proper use, and incorporate it into their individual training needs. A variation of cardiovascular and resistance equipment is expected to be the student's major focus while exercising at the Brookdale Fitness Center. The student will select and participate in alternative physical activities off campus that have been approved by the instructor to meet the objectives to support the successful completion of the course.

Credit Hours

Min:
1

Billing Hours

Min:
1

Department(s) ~*
Fitness

FITN107 - Physical Fitness

Course Information

Course Number
107

Course Title (long)
Physical Fitness

Course Description
This course will provide the student with basic information regarding the benefits of physical activity, good nutrition and their relationship to health, quality of life and longevity. Behavioral risk factors leading up to the premature onset of cardiovascular disease with a focus on behavior modification will also be discussed. The components of physical fitness will be defined in relation to individual goals and sports performance. Fitness workouts in a fitness center are a required component of the course.

Credit Hours

Min:
2

Billing Hours

Min:
2

Department(s) ~*
Fitness

Syllabus (Ctrl + click)
[FITN107](#)

FITN117 - Health, Exercise and Weight Management

Course Information

Course Number
117

Course Title (long)
Health, Exercise and Weight Management

Course Description
The student will be able to identify and apply the principles of health such as preventing heart disease, alcoholism and drug abuse as they apply to various ages and settings. Other topics covered in this course deal with concepts on nutrition and weight management, current health and disease problems.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Fitness

FITN151 - Karate: Self Defense

Course Information

Course Number
151

Course Title (long)
Karate: Self Defense

Course Description
The student will demonstrate the basic skills and techniques of empty-handed self-defense, including blocking, punching, kicking and free sparring. The student will also learn the history and philosophy of karate and tournament rules.

Credit Hours
Min:
2

Billing Hours
Min:
2

Department(s) ~*
Fitness

FITN155 - Self Defense

Course Information

Course Number
155

Course Title (long)
Self Defense

Course Description
The student will learn and practice simple but effective techniques and strategies of self-defense. Guest speakers and visual media will demonstrate a variety of methods of individual self-defense.

Credit Hours
Min:
1

Billing Hours
Min:
1

Department(s) ~*
Fitness

FITN157 - T'ai Chi

Course Information

Course Number
157

Course Title (long)
T'ai Chi

Course Description
The student will learn a simple set of T'ai Chi forms and get an understanding of the fundamentals of T'ai Chi, an ancient Chinese health exercise and martial art. The student will understand why T'ai Chi is a good health exercise for people of all ages, including young adults and children. The course's focus is on T'ai Chi as a health exercise, and the student will have opportunity to practice and demonstrate various T'ai Chi forms. No previous knowledge of T'ai Chi is required.

Credit Hours
Min:
1

Billing Hours
Min:
1

Department(s) ~*
Fitness

FITN158 - Kickboxing

Course Information

Course Number
158

Course Title (long)
Kickboxing

Course Description
This course will provide students with proper basic kicking and punching techniques to prevent injuries. Students will use various techniques to improve cardiovascular fitness and muscle tone.

Credit Hours
Min:
1

Billing Hours
Min:
1

Department(s) ~*
Fitness

Syllabus (Ctrl + click)
[FITN158](#)

FITN161 - Yoga I

Course Information

Course Number
161

Course Title (long)
Yoga I

Course Description
Students will learn and demonstrate an understanding of Hatha yoga thereby enhancing physical health and mental wellness. By performing beginner and intermediate yoga postures students will develop flexibility and balance, increase muscle strength and tone, exercise the spine, release toxins by stimulating the lymphatic system, and increase self confidence and overall energy.

Credit Hours
Min:
1

Billing Hours
Min:
1

Department(s) ~*
Fitness

Syllabus (Ctrl + click)
[FITN161](#)

FITN162 - Yoga II

Course Information

Course Number
162

Course Title (long)
Yoga II

Course Description
Students will deepen their understanding of Hatha Yoga and actively maintain achieved physical health and mental wellness. The students will perform intermediate and advanced yoga postures and further advance their flexibility, balance, strength, self confidence and overall energy. (Prerequisite: FITN-161 or approval of instructor)

Credit Hours
Min:
1

Billing Hours
Min:
1

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Fitness

Syllabus (Ctrl + click)
[FITN162](#)

Course Requirements

No Requirements

FITN165 - Fitness Fusion

Course Information

Course Number

165

Course Title (long)

Fitness Fusion

Course Description

This course will assist students in improving their cardiovascular and muscular conditioning through a variety of different forms of exercise. Workouts will include for example; Pilates, Boxing, Cardio Kickboxing, Circuit Training, Bar Method, Treadmill Workouts, Weight Training, Tabata, and Step Aerobics along with Balls, Bands, and Tubing. Students will gain experience in working with a variety of exercise equipment.

Credit Hours

Min:

1

Billing Hours

Min:

1

Department(s) ~*

Fitness

Syllabus (Ctrl + click)

[FITN165](#)

FITN167 - Weight Training

Course Information

Course Number

167

Course Title (long)

Weight Training

Course Description

Students will use both free-weight and resistance training machines to develop strength and muscular endurance. Students will also be educated through lecture on various weight training topics. Programs will include use of the Fitness Lab. Students 35 and over must have medical clearance. Students 35-39 must have a complete physical including an electrocardiogram at rest. Students 40 and over, a complete physical including a stress electrocardiogram. Costs of the tests are at the students' expense.

Credit Hours

Min:

1

Billing Hours

Min:

1

Department(s) ~*

Fitness

FITN176 - Emergency Medical Technician

Course Information

Course Number

176

Course Title (long)

Emergency Medical Technician

Course Description

This course prepares students as an Emergency Medical Technician. Students will learn how to manage medical emergencies including bleeding, fractures, airway obstruction, emergency childbirth and cardiac emergencies. Course work emphasizes the use and maintenance of common emergency equipment such as backboards, suction devices, splints, oxygen delivery systems, and stretchers. Program graduates must pass a written examination administered by the State Department of Health in order to receive certification as an Emergency Medical Technician - Basic. (Current Professional Level CPR Card; American Red Cross or American Heart)

Credit Hours

Min:

6

Billing Hours

Min:

6

School

School of Health Sciences

Division

Division of Health Science

Department(s) ~*

Fitness

Syllabus (Ctrl + click)

[FITN176](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
FITN176 - CLO 1	Demonstrate assessment of a patient with a medical emergency.

Name	Outcome
FITN176 - CLO 2	Administer appropriate emergency medical care based on assessment findings of the patient's conditions.

Name	Outcome
FITN176 - CLO 3	Lift, move, and position the patient in a manner that minimizes discomfort and prevents further injury.

Name	Outcome
FITN176 - CLO 4	Transport patients in a safe and effective manner.

	Outcome
Name	Communicate appropriately with patients and family and healthcare professionals.
FITN176 - CLO 5	

FITN177 - Community First Aid & Professional CPR

Course Information

Course Number
177

Course Title (long)
Community First Aid & Professional CPR

Course Description
The student will learn to give immediate care to a person who has been injured or has suddenly been taken ill. The course includes self-help and home care if medical assistance is not available or is delayed. One-half of the course is related to cardiovascular risk factors, heart failure and cardiopulmonary resuscitation. An American Red Cross Certification in CPR and First Aid may be issued upon successful completion of this course. A Red Cross Certification fee is required for registration.

Credit Hours
Min:
2

Billing Hours
Min:
2

Department(s) ~*
Fitness

FITN295 - Special Project-Physical Education

Course Information

Course Number
295

Course Title (long)
Special Project-Physical Education

Credit Hours
Min:1Max:3

Department(s) ~*
Fitness

FITN299 - Internship in Fitness and Recreation

Course Information

Course Number
299

Course Title (long)
Internship in Fitness and Recreation

Course Description
The student will participate in a field experience in a local recreation department, designed to provide nine to 18 hours per week of on-the-job experience.
(Prerequisite: Permission of instructor and Career Services Representative)

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Fitness

FRCH101 - Elementary French I

Course Information

Course Number
101

Course Title (long)
Elementary French I

Course Description
This course is designed for students with no previous knowledge or very limited knowledge of the French language. Strong emphasis will be placed on acquiring conversational and comprehension skills, using practical and interesting situational materials that will stress both language and culture. Grammatical patterns and syntax will be introduced with the aim that students read and write what they have learned to say and understand. (This course is not open to native French speakers or to students with more than two years of French in high school, except by instructor approval)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies

Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[FRCH-101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name FRCH101 - CLO 1	Outcome Understand written and spoken French at the Novice-Mid level* (The Novice- Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name FRCH101 - CLO 2	Outcome Speak French at the Novice-Mid level* (The Novice- Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name FRCH101 - CLO 3	Outcome Write French at the Novice-Mid level* (The Novice- Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages.)

Name FRCH101 - CLO 4	Outcome Demonstrate basic knowledge of the life and culture of French -speaking countries.

FRCH102 - Elementary French II

Course Information

Course Number
102

Course Title (long)
Elementary French II

Course Description
Students will build upon skills acquired in the first semester course and will be able to express themselves in a variety of more complex situations in French.
(Prerequisite: A grade of "C" or higher in FRCH 101 or instructor approval)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[FRCH-102](#)

	Outcome Understand written and spoken French at the Novice-High level* (The Novice- Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name FRCH102 - CLO 1	

	Outcome Speak French at the Novice-High level* (The Novice- Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name FRCH102 - CLO 2	

	Outcome Write French at the Novice-High level* (The Novice- Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name FRCh102 - CLO 3	

	Outcome Demonstrate basic knowledge of the life and culture of French -speaking countries.
Name FRCH102 - CLO4	

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- FRCH101 - Elementary French I

OR

Criteria 2

OR:

- Instructor approval.

Course Learning Outcomes

Upon completion of this course, students will be able to:

FRCH203 - Intermediate French I

Course Information

Course Number
203

Course Title (long)
Intermediate French I

Course Description
Students will improve their speaking, listening, reading and writing skills, demonstrating the ability to report on various aspects of life/culture in French-speaking countries, using more complex language patterns. NOTE: This course is offered only in the Fall term. (Prerequisite: A grade of "C" or higher in FRCH 102 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

FRCH102 - Elementary French II

OR

Criteria 2

OR:

Permission of Instructor.

FRCH204 - Intermediate French II

Course Information

Course Number
204

Course Title (long)
Intermediate French II

Course Description
Students will be able to speak, read and write French and to discuss and evaluate French culture, customs and current events. They will also demonstrate the ability to use French with native speakers of the language. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in FRCH-203 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

FRCH203 - Intermediate French I

OR

OR:

Permission of instructor.

GAME105 - Introduction to Unity

Course Information

Course Number
105

Course Title (long)
Introduction to Unity

Course Description
This course will introduce students to the Unity 3D game engine. Students will be able to create a simple game using primitive shapes and assets. Students will be asked to create simple scripts for interactivity and actions within various game scenarios. (Prerequisite or Corequisite: A grade of "C" or higher in DIGM-121, COMP-126)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[GAME105](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- DIGM121 - 3D Modeling
- COMP126 - Computer Logic and Design

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- DIGM121 - 3D Modeling
- COMP126 - Computer Logic and Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name GAME105 - CLO 1	Outcome Demonstrate an understanding of the elements of game design.
Name GAME105 - CLO 2	Outcome Import assets into a game engine.
Name GAME105 - CLO 3	Outcome Write simple scripts to generate interactivity.
Name GAME105 - CLO 4	Outcome Export files to generate a playable game.

GAME115 - Game Concept Design

Course Information

Course Number
115

Course Title (long)
Game Concept Design

Course Description
This course will introduce students to basic concepts of game design. Students will learn game design theory and practices. This course will help students to understand the flow of game creation and the decisions that are made during the process. Students will develop an understanding of the different audiences who play games and how to adjust to the needs of a diverse audience.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[GAME115](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
GAME115 - CLO 1	Students will learn the process of designing a game.
Name	Outcome
GAME115 - CLO 2	Students will be able to determine the mode, tools, audience, and interface for game design.
Name	Outcome
GAME115 - CLO 3	Identify preference and select appropriate assets for a diversity of markets.

GAME205 - Game Character Design

Course Information

Course Number
205

Course Title (long)
Game Character Design

Course Description
In this course, students will use skills they have learned in earlier courses to create simple characters, appropriate for importing into a game engine. Students will apply concepts of rigging and will understand the process of exporting an animated model. This will allow students to create a playable character. (Prerequisite(s): A grade of "C" or higher in DIGM-122, GAME-105)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[GAME205](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- DIGM122 - Maya II: Fundamentals - GAME105 - Introduction to Unity

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
GAME205 - CLO 1	Create a simple character model.
Name	Outcome
GAME205 - CLO 2	Rig and animate their own model.
Name	Outcome
GAME205 - CLO 3	Export and import animations.

Name GAME205 - CLO 4	Outcome Script an animated character for interactivity.

GAME206 - Game Level Design

Course Information

Course Number 206
Course Title (long) Game Level Design
Course Description In this course, students will use the skills they have learned in earlier courses to design assets and lighting for simple game levels. Students will create texture and UV maps for models, analyze different lighting simulations, and demonstrate an understanding of the process of exporting and importing a textured model. (Prerequisite(s): A grade of "C" or higher in GAME-105 and GAME-115)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[GAME206](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: • GAME105 - Introduction to Unity • GAME115 - Game Concept Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name GAME206 - CLO 1	Outcome Create lighting simulations for a simple game level.
Name GAME206 - CLO 2	Outcome Create a UV and texture map for a simple model.

Name GAME206 - CLO 3	Outcome Export unique assets prepared for use in a game level.

Name GAME206 - CLO 4	Outcome Create a unique playable game level.

GEOG105 - Introduction to Physical Geography

Course Information

Course Number
105

Course Title (long)
Introduction to Physical Geography

Course Description
In Physical Geography, which is a branch of the natural sciences, students will comprehend and learn about the different aspects of our physial and human environment. Through the study of tectonics, as well as examining fluvial, glacial, coastal, karst and desert landforms, students will gain a comprehensive understanding of earth movements, and other geomorphological processes. Students will also apply a locational component through mapping skills, to gain an overview of the distribution of physical features, and evaluate and analyze how these have had an effect on humans.(Prerequisites: READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Sociology
Syllabus (Ctrl + click) GEOG-105 Syllabus		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading <i>Must be READ-095</i> OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in reading.

GEOG115 - Human Geography

Course Information

Course Number
115

Course Title (long)
Human Geography

Course Description
Human geography examines the interplay between humans, culture, and space. The discipline of human geography provides an analytical lens through which we can interpret the interplay between humans and non-human worlds. The course will examine the degrees of how humans universally make sense of their spatial world, and how culture influences one's creation and conceptualization of space and spatial relationships. As a broad introduction to the discipline, the course will provide an overview of relevant topics such as migration, culture, language, religion, race and ethnicity, economics, politics and more. Importantly, the course will examine the local and global nature of human geographic studies.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Social Sciences (SS), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Sociology

Syllabus (Ctrl + click)
[GEOG-115 Syllabus](#)

GEOG126 - Introduction to Geographic Information Systems (GIS)

Course Information

Course Number
126

Course Title (long)
Introduction to Geographic Information Systems (GIS)

Course Description
In the twenty-first century, our world is dominated by technology. Whether we realize it or not, Geographic Information Systems (GIS) is at the core of our technological lives. GIS allows us to manage, document, analyze, and interpret spatial and descriptive data. As a foundational GIS course, the class is designed to provide students with a practical understanding of spatial analysis through the computer program ArcGIS. The class will meet in a computer laboratory where students will collaboratively learn about GIS and spatial information. Students from social sciences (anthropology, sociology, and criminal justice), business, engineering, health sciences, and environmental sciences can find value in learning how to manage spatial data, create data-driven maps, and interpret spatial information. Note that this is not 'just' a software training course. Students will undoubtedly learn about a new computer program. However, the course learning objectives include general scientific literacy and graphicacy, and data analysis and critical thinking skills.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Sociology

GRPH101 - Typography I

Course Information

Course Number
101

Course Title (long)
Typography I

Course Description
Students will learn skills that will enable them to specify typography, produce professional lettering and render typography for visual layouts.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Communication Media

Syllabus (Ctrl + click)
[GRPH-101](#)

Course Learning Outcomes

Students will be able to:

Name GRPH101 - CLO 1	Outcome Distinguish different type classifications.
Name GRPH101 - CLO 2	Outcome Learn the historical origins and anatomy of type.
Name GRPH101 - CLO 3	Outcome Select the appropriate type for effective communication.

GRPH102 - Typography II

Course Information

Course Number
102

Course Title (long)
Typography II

Course Description
Utilizing the skills acquired in GRPH 101, students will begin to create and design visual layouts using traditional techniques. In addition, the computer software Adobe Illustrator and QuarkXpress will be used to set type and arrange images for more comprehensive projects. These layouts will be based on concept thinking, advertising campaigns, etc. Emphasis will be placed on craftsmanship and originality. (Prerequisite: A grade of "C" or higher in GRPH 101.)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Communication Media

Syllabus (Ctrl + click)
[GRPH-102](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: GRPH101 - Typography I

Course Learning Outcomes

Students will be able to:

Name GRPH102 - CLO 1	Tags Critical Thinking
Outcome Create/design effective communication projects using visual communication methods. (Critical thinking)	

Name GRPH102 - CLO 2	Tags Critical Thinking
Outcome Recognize type to resolve effective design layouts. (Critical thinking)	

Name GRPH102 - CLO 3	Tags Written and Oral Communication (Communication)
Outcome Analyze effective communication in design layouts. (Communication)	

GRPH115 - Illustration

Course Information

Course Number 115
Course Title (long) Illustration
Course Description Students will explore both traditional and non-traditional techniques that will expand their ability to adapt their styles to various illustration assignments. (Prerequisite: ARTS-111)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Communication Media

Syllabus (Ctrl + click)
[GRPH-115](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: ARTS111 - Drawing I

Course Learning Outcomes

Students will:

Name GRPH115 - CLO 1	Tags Critical Thinking
Outcome Utilize different media used in illustration. (critical thinking)	

Name GRPH115 - CLO 2	Tags Written and Oral Communication (Communication)

Outcome Combine image and type to visually create a story. (communication)

Name GRPH115 - CLO 3	Tags Historical Perspective (History)
Outcome Examine the development of illustration historically. (historical perspective)	

Name GRPH115 - CLO 4	Tags Critical Thinking
Outcome Utilize different techniques to illustrate concepts in illustration. (critical thinking)	

GRPH120 - Introduction to Dgital Media Design

Course Information

Course Number
120

Course Title (long)
Introduction to Dgital Media Design

Course Description
This course is designed to comprehensively cover computer design issues. Computer imaging, color, vector graphics, plus a variety of design software will be addressed. Design assignments are directed toward a variety of output media, including print, and interactive/online applications. Additional lab time is expected in this course. This course does not offer the pass/no credit grade or extra credit. Previous experience with computers is beneficial.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[GRPH120](#)

Course Learning Outcomes

Upon successful completion of the course:

Name GRPH120 - CLO 1	Outcome The student will learn the basic use of the three software used in the industry The student will learn the basic scanning process.

Name GRPH120 - CLO 2	Outcome The student will learn the printing process – color and black & white. The student will learn and discuss current design issues.

GRPH204 - Graphic Design Production

Course Information

Course Number
204

Course Title (long)
Graphic Design Production

Course Description
Students will develop the skills of the mechanical artist who prepares final camera-ready art for the printer. They will learn inking, paste-up skills, color separations, etc. In addition, the computer will be used for pre-press production processing. Software used will be QuarkXpress and Adobe Illustrator.
(Prerequisites: A grade of "C" or higher in GRPH 101, GRPH 102 and ARTS 111)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Communication Media

Syllabus (Ctrl + click)
[GRPH-204](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- ARTS111 - Drawing I - GRPH101 - Typography I - GRPH102 - Typography II

Course Learning Outcomes

Students will:

Name	Tags
GRPH204 - CLO 1	Critical Thinking
Outcome	
Apply traditional and digital production techniques. (Critical thinking)	

Name	Tags
GRPH204 - CLO 2	Critical Thinking
Outcome	
Develop an understanding of paper, inks and color systems to create content. (Critical thinking)	

GRPH216 - Graphic Design Techniques

Course Information

Course Number
216

Course Title (long)
Graphic Design Techniques

Course Description
In this advanced course, students will explore the infinite variety of methods, materials and equipment available to solve visual design problems. This information will be utilized in the communication of ideas, promotion and merchandising of products, from concept to final presentation. (Prerequisites: A grade of "C" or higher in GRPH 101, GRPH 102 and GRPH 204)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Communication Media

Syllabus (Ctrl + click)
[GRPH216](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- GRPH101 - Typography I - GRPH102 - Typography II - GRPH204 - Graphic Design Production

Course Learning Outcomes

Students will be able to :

Name	Tags
GRPH216 - CLO 1	Critical Thinking
Outcome	
Become proficient in constructing more concept-oriented projects. (critical thinking)	

Name	Tags
GRPH216 - CLO 2	Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome	
Create content to market design projects. (critical thinking – information literacy)	

Name	Tags
GRPH216 - CLO 3	Creative Expression
Outcome	
Construct their final portfolio and resume (creative expression)	

GRPH220 - Graphic Design Portfolio

Course Information

Course Number
220

Course Title (long)
Graphic Design Portfolio

Course Description
This course will look at the core graphic design principles of photographic image, illustration, and typography as a narrative for framing a portfolio archive of work. Its intent is to highlight the designer's skill sets of solving problems in graphic communication while exploring the process of how work gives identity. The student will focus on their essenital strengths resulting in a comprehensive portfolio of their work. Upon completion of this course, students will have a physical portfolio and digital assets that are required for a job in the graphic design field.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Communication Media

Syllabus (Ctrl + click)
[GRPH220](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- GRPH115 - Illustration
- GRPH120 - Introduction to Dgital Media Design
- GRPH204 - Graphic Design Production

Course Learning Outcomes

Upon completion of this course, students will be able to:

- Create a professional portfolio demonstrating the following skills and abilities:

Name GRPH220 - CLO 1	Outcome An understanding of the anatomy of type and its application to contemporary branding techniques

Name GRPH220 - CLO 2	Outcome A proficiency in visual communication skills through graphic techniques as demonstrated using a variety of digital software programs
Name GRPH220 - CLO 3	Outcome The design problem solving process.
Name GRPH220 - CLO 4	Outcome The implementation of visual communication principles to the successful realization of a product identity and packaging needs
Name GRPH220 - CLO 5	Outcome The application of contemporary illustrative concepts communicating an effective storyline in visual graphics.

GRPH295 - Special Project Graphic Design

Course Information

Course Number
295

Course Title (long)
Special Project Graphic Design

Course Description
Students will design a project of advanced study. Students must have completed previous course work in the subject area and must meet with an appropriate instructor before registering. (Prerequisites: GRPH-101, GRPH-102, GRPH-204, GRPH-216)

Credit Hours

Min:	Max:
1	6

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Communication Media

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- GRPH101 - Typography I
- GRPH102 - Typography II
- GRPH204 - Graphic Design Production
- GRPH216 - Graphic Design Techniques

GRPH299 - Graphic Design Internship

Course Information

Course Number
299

Course Title (long)
Graphic Design Internship

Course Description
Students will practice skills in graphic design and photography in a real-world experience. They will work with an experienced practioner who will guide and supervise their progress. This course may be repeated for credit.

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Communication Media

HESC105 - Medical Terminology

Course Information

Course Number
105

Course Title (long)
Medical Terminology

Course Description
Through a study of medical language, the student will be able to build a practical, working medical vocabulary. Emphasis will be placed on understanding the significance of Greek and Latin prefixes, suffixes and verbal roots as they pertain to the human body.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[HESC105](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HESC105 - CLO 1	Outcome Interpret medical terms that apply to body systems, diagnosis, disease, and treatment accurately.
Name HESC105 - CLO 2	Outcome Analyze medical terms for correct clinical application.
Name HESC105 - CLO 3	Outcome Use medical terminology appropriately when speaking about a topic or case study.
Name HESC105 - CLO 4	Outcome Write medical terms using correct spelling.
Name HESC105 - CLO 5	Outcome Discuss health issues significant to society.

HESC106 - Introduction to Allied Health Careers

Course Information

Course Number
106

Course Title (long)
Introduction to Allied Health Careers

Course Description
This pre-health course introduces the student to topics important to Associate Degree graduates of the healthcare professions. Emphasis will be placed on problem solving, critical thinking and application of concepts essential to the role of the healthcare professional. Communication skills and basic physical assessment techniques will be discussed. Health, professional and wellness topics will be integrated throughout the course, as well as medical terminology.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Allied Health

Syllabus (Ctrl + click)
[HESC106](#)

HESC107 - Health Care Career Exploration

Course Information

Course Number
107

Course Title (long)
Health Care Career Exploration

Course Description
This course is designed to give students an overview of the health care industry and related careers. Students will explore personal values and academic goals through individual projects, class exercises and group interaction as they learn the educational requirements of specific health care degrees and develop the baseline skills necessary for working in health care including critical thinking, ethical reasoning, effective communication, and self-directed lifelong learning.

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[HESC107](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HESC107 - CLO 1	Outcome Explore, identify and weigh personal values, interests and goals in relation to entering a health related profession.
Name HESC107 - CLO 2	Outcome Develop critical thinking skills and strategies to recognize what it means to be a health care professional working within diverse health care settings.
Name HESC107 - CLO 3	Outcome Develop a plan of educational, transfer and career goals.
Name HESC107 - CLO 4	Outcome Apply a variety of skills to improve time management, use of resources, study and test taking abilities.

Name HESC107 - CLO 5	Outcome Communicate an understanding of the political, ethical, moral, cultural, educational and Syllabus-VPAA Fall 2024 financial issues affecting global health care issues and the delivery of health care in the United States.

Name HESC107 - CLO 6	Outcome Access and apply information through the use of technology.

Name HESC107 - CLO 7	Outcome Connect to Health Science faculty, staff and fellow students through co-curricular, curricular and social experiences.

HESC115 - Nutrition and Health

Course Information

Course Number 115	Course Title (long) Nutrition and Health
Course Description Students are introduced to the basic concepts of nutrition. Emphasis will be placed on practical information that will enable students to make judgments about their food intake and gain awareness of the critical role of nutrition in health care. Concepts from biology, chemistry and physiology are used as a basis for the exploration of the role of nutrition in health.	

Credit Hours

Min: 3

Billing Hours

Min: 3

School School of Health Sciences	Division Division of Health Science	Department(s) ~* Allied Health
Syllabus (Ctrl + click) HESC115		

Course Learning Outcomes

Upon completion of this course, students will:

Name HESC115 - CLO 1	Outcome Will demonstrate knowledge of the relationship of nutrients with the body's needs, specific nutrient roles, and understand the anatomy and physiology of the human body as it relates to nutrition for everyday life, exercise and disease states.

HESC125 - Stress and Everyday Living

Course Information

Course Number
125

Course Title (long)
Stress and Everyday Living

Course Description
An understanding of how stress affects everyday life will be discussed using examples from literature, history and the group members. Students will acquire an understanding of the causes of stress, stress management techniques, nutritional awareness and exercise programs.

Credit Hours

Min:
3

Billing Hours

Min:
3

Department(s) ~*
Allied Health

HESC145 - Crisis Intervention

Course Information

Course Number
145

Course Title (long)
Crisis Intervention

Course Description
Students will explore life situations that pose a threat or potential threat to an individual's coping abilities. They will discuss and practice specific strategies that have proven useful in crisis situations. Class sessions will include games, role playing and group exercises.

Credit Hours

Min:
3

Billing Hours

Min:
3

Department(s) ~*
Allied Health

HESC165 - Pathophysiology

Course Information

Course Number
165

Course Title (long)
Pathophysiology

Course Description
This course covers the structural and functional changes associated with various disease conditions. There is an emphasis on clinical manifestations and treatment. In addition the student will understand how disease affects the body as a whole.

Credit Hours

Min:
3

Billing Hours

Min:
3

School **Division** **Department(s) ~***
School of Health Sciences Division of Health Science Allied Health

Syllabus (Ctrl + click)
[HESC165](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HESC165 - CLO 1	Outcome Explain the role of pathogenic microorganisms in disease.
Name HESC165 - CLO 2	Outcome Differentiate genetic and congenital disorders.
Name HESC165 - CLO 3	Outcome Identify the types and characteristics of benign and malignant tumors.
Name HESC165 - CLO 4	Outcome Explain the causes, symptoms, treatment and pharmacology of common disorders affecting the human body systems.

HESC295 - Special Project - Health Sciences

Course Information

Course Number
295

Course Title (long)
Special Project - Health Sciences

Course Description
In conjunction with the faculty, the student will develop a written independent study plan for pursuing and completing an individual, in-depth study of a relevant topic. The instructor will serve as a mentor and consultant in guiding the student through the study plan.

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Allied Health

HIST105 - World Civilization I

Course Information

Course Number
105

Course Title (long)
World Civilization I

Course Description
The course will provide a general understanding of the chief characteristics of human history up to 1500, as exemplified by the traditional cultures of Africa, the Middle East, China, Japan, India, Central Asia, the Americas and Europe. Emphasis will be placed on the institutions, values and interrelationships among people across the globe, and the achievements and contributions of individual civilizations to human history. (Prerequisite(s): READ-095 and ENGL-095 or satisfactory completion of the College's foundational studies requirement in reading and writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), History (HI), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-105](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

**Must be READ-095*

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST105 - CLO 1	Outcome Analyze the political, economic, religious, social, racial, and cultural developments of the world from pre-history to 1500.
Name HIST105 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST105 - CLO 3	Outcome Compare historical analyses and evaluate historical documents.
Name HIST105 - CLO 4	Outcome Evaluate the enormous diversity of experiences in pre-modern world history.

HIST106 - World Civilization II

Course Information

Course Number

106

Course Title (long)

World Civilization II

Course Description

The course will examine the major developments in human history from 1500 to the present. It will focus on the elements involved in Europe's self-transformation into a modern society as seen in its intellectual, industrial and imperialist movements, and the world wars. Emphasis will also be placed on the history of Asian, African, Middle Eastern and Latin American societies and the impact of imperialism of those cultures; their reactions to, interaction with, and finally independence from Western dominance in the 20th century will also be explored. (Prerequisite(s): READ-095 and ENGL-095 or satisfactory completion of the College's foundational studies requirement in reading and writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies

Humanities (HU), History (HI), Cultural and Global Awareness (CG)

School

Division

Department(s) ~*

School of Business, Humanities and Social Science

Division of Humanities & Social Science

History

Syllabus (Ctrl + click)

[HIST-106](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

*Must be READ-095

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST106 - CLO 1	Outcome Analyze the political, economic, religious, social, racial, and cultural developments of the world from 1500 to the present.
Name HIST106 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST106 - CLO 3	Outcome Compare historical analyses and evaluate historical documents.
Name HIST106 - CLO 4	Outcome Evaluate the enormous diversity of experiences in modern world history.

HIST107 - Contemporary World History

Course Information

Course Number
107

Course Title (long)
Contemporary World History

Course Description
This course is designed to provide students with the framework of the contemporary world which will be discussed by examining key historical developments since 1945, including the Cold War and the fall of communism, as well as the independence movements and revolutions in Asia, Africa, Latin America and the Middle East. Relying on a variety of historical readings and current accounts, emphasis will be placed on understanding the historical readings and contemporary issues such as international conflict, the environment, human and natural resources and global cultural and economic trends. (Prerequisite(s): READ-095 and ENGL-095 or satisfactory completion of the College's foundational studies requirement in reading and writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), History (HI), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST107](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

*Must be READ-095

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST107 - CLO 1	Outcome Analyze the global political, economic, religious, social, racial, and cultural developments in the twentieth century.
Name HIST107 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST107 - CLO 3	Outcome Compare historical analyses by reading, comprehending, and evaluating historical documents.
Name HIST107 - CLO 4	Outcome Analyze the enormous diversity of experiences in the world in the twentieth century.

HIST108 - Modern European History

Course Information

Course Number
108

Course Title (long)
Modern European History

Course Description
Students will review the development of industrialism, nationalism, liberalism and socialism as background for understanding the 20th century as an age of total war. They will examine the events surrounding the two World Wars and the Cold War, the role of ideology and the emergence of modern culture in its scientific, technological, economic and artistic dimensions.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies		
Humanities (HU), History (HI)		
School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-108](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST108 - CLO 1	Outcome Analyze European political, economic, religious, social, racial, and cultural developments in the modern era.
Name HIST108 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST108 - CLO 3	Outcome Compare historical analyses by reading, comprehending, and evaluating historical documents.

HIST116 - Vietnam: Historical Perspectives

Course Information

Course Number
116

Course Title (long)
Vietnam: Historical Perspectives

Course Description
In this course students will examine the culture and history of the Vietnamese people; the twentieth-century wars involving the French and Americans that took place there; the impact of these conflicts on Vietnam and America; and their legacy in the contemporary world. Two field trips will be taken to the Vietnam Era Educational Center and Vietnam Veterans' Memorial in New Jersey.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST116](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST116 - CLO 1	Outcome Analyze global political, economic, social, racial, and cultural implications of Vietnam and the Vietnamese War.
Name HIST116 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST116 - CLO 3	Outcome Compare historical analyses by reading, comprehending, and evaluating historical documents.
Name HIST116 - CLO 4	Outcome Analyze the enormous diversity of experiences in Vietnam in the twentieth century.

HIST125 - Women's History Survey: Experiences, Contributions and Debates

Course Information

Course Number
125

Course Title (long)
Women's History Survey: Experiences, Contributions and Debates

Course Description
A survey of the experiences, lives and contribution of women to American history. The student will study women's changing roles through history, as well as the diversity of women's experience on a racial, ethnic and class basis. Problems and solutions women have faced in the past will be discussed with an emphasis on understanding the participation of women in America, to uncover and restore women's achievements and experiences.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU), History (HI), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST125](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST125 - CLO 1	Outcome Analyze the stories of women in America from the Pre-Columbian Era to today with special attention paid to economic, religious, social, racial, and cultural developments.
Name HIST125 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST125 - CLO 3	Outcome Evaluate historical analyses and historical documents.

	Outcome Analyze the enormous diversity of women's experiences in American history with the objective of comprehending women's roles in society.
Name HIST125 - CLO 4	

HIST126 - Dimensions of the Holocaust

Course Information

Course Number
126

Course Title (long)
Dimensions of the Holocaust

Course Description
The student will investigate the origins, events, and outcomes of a watershed in human history--The Holocaust. Hitler's rise to power and the racial objectives in his Nazi program led to the systematic murder of millions of innocent victims. In a search for meaning and conscience in this cataclysmic event, the student will encounter additional material covering other genocides and genocidal events, e.g. The Armenian and Cambodian genocides, genocidal actions in Rwanda, Bosnia, etc. The student must attend at least two programs given by the Center for Holocaust Education. (Prerequisites: ENGL-121 and READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST126](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
General Education Complete ALL of the following Courses: ENGL121 - English Composition:The Writing Process
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading <i>*Must be READ-095</i>
OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST126 - CLO 1	Outcome Analyze the political, psychological, religious, social, racial, and cultural development of the Holocaust in Nazi Germany in the 1930's as well as genocide in other places such as Armenia, Rwanda, and Cambodia.
Name HIST126 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST126 - CLO 3	Outcome Compare historical analyses by reading, comprehending, and evaluating historical documents.
Name HIST126 - CLO 4	Outcome Analyze the experiences of Holocaust survivors in the twentieth century.

HIST135 - American Civilization I

Course Information

Course Number
135

Course Title (long)
American Civilization I

Course Description
Students will identify and discuss problems, events and personalities in American history which have influenced the origins and growth of the Republic from the colonial period until the Civil War (1861). History will be viewed from many perspectives.(Prerequisite(s): READ-095 and ENGL-095 or satisfactory completion of the College's foundational studies requirement in reading and writing)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU), History (HI)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-135](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

*Must be READ-095

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST135 - CLO 1	Outcome Analyze the political, economic, religious, social, racial, and cultural developments of the American nation to the Civil War.
Name HIST135 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST135 - CLO 3	Outcome Compare historical analyses, and by reading, comprehending, and evaluating historical documents.
Name HIST135 - CLO 4	Outcome Analyze the enormous diversity of experiences in early American history.

HIST136 - American Civilization II

Course Information

Course Number

136

Course Title (long)

American Civilization II

Course Description

Students will demonstrate an understanding of personalities, events and problems in American history from the Civil War (1865) until World War II (1941). (Prerequisite(s): READ-095 and ENGL-095 or satisfactory completion of the College's foundational studies requirement in reading and writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies

Humanities (HU), History (HI)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-136](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

*Must be READ-095

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- Foundational Studies Requirement in Writing

OR

Criteria 2

OR:
Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST136 - CLO 1	Outcome Analyze the political, economic, religious, social, racial, and cultural developments of the American nation from 1865-1940.
Name HIST136 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST136 - CLO 3	Outcome Compare historical analyses, and by reading, comprehending, and evaluating historical documents.
Name HIST136 - CLO 4	Outcome Analyze the diversity of experiences in American history.

HIST137 - Recent American History

Course Information

Course Number
137

Course Title (long)
Recent American History

Course Description
The student will recognize and assess the major forces that have shaped the course of American domestic and foreign policies since World War II (1945). The student will analyze the inter-relationship and consequences of foreign and domestic events. (Prerequisite(s): READ-095 and ENGL-095 or satisfactory completion of the College's foundational studies requirement in reading and writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), History (HI)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST137](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1
Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

**Must be READ-095*

OR

Criteria 2

OR:
Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

- Foundational Studies Requirement in Writing

OR

Criteria 2

OR:
Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST137 - CLO 1	Outcome Analyze the major forces that have shaped the course of American domestic and foreign policies in the Post-World War II Era.
Name HIST137 - CLO 2	Outcome Evaluate complex social, economic and political phenomena of the Post-World War II Era in a broader perspective.
Name HIST137 - CLO 3	Outcome Analyze the interrelationships and consequences of the domestic and foreign events of the Post-World War II Era with the objective of comprehending future trends and courses of action.

HIST138 - The 1960S: Pop Music and the Counterculture

Course Information

Course Number
138

Course Title (long)
The 1960S: Pop Music and the Counterculture

Course Description
Students will evaluate the history of the 1960s through an examination of the rock and folk music of the turbulent decade. The focus will be on leaders such as Bob Dylan, the Beatles, the Rolling Stones and the Doors. The emphasis will be on how music shaped and reflected the values of young people, expressed in movements such as the counterculture, civil rights and the resistance to the Vietnam War.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-138](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST138 - CLO 1	Tags Historical/Societal Analysis
Outcome Analyze the political, economic, religious, social, racial, and cultural developments of America in the 1960's. (Historical/Societal Analysis)	
Name HIST138 - CLO 2	Tags Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Write effectively in an expository manner and in a historical context. (Communication) Compare historical analyses by evaluating music as well as historical documents. (Critical Thinking) (Information Literacy)	

Name HIST138 - CLO 3	Tags Community and Workplace
Outcome Analyze the diversity of experiences in 1960s America. (Community and Workplace)	

HIST145 - African-American History I

Course Information

Course Number
145

Course Title (long)
African-American History I

Course Description
Students will examine the cultural and historical themes of the African experience which dominated and influenced the evolving African-American culture during slavery. In reviewing African origins, students will study the Atlantic Slave Trade, its participants, the resulting African Diaspora and the contrasting perspectives on Africa and Africans during the Slave Trade period. The course will offer a survey of major events, issues, legislation and critical environmental factors shaping the African-American experience in Colonial America from the 1600's to the Civil War. NOTE: This course is offered only in the Fall term.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), History (HI), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-145](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST145 - CLO 1	Tags Historical/Societal Analysis
Outcome Analyze the political, economic, religious, social, racial, and cultural developments slavery and African-American life until the Civil War. (Historical/Societal Analysis)	

Name HIST145 - CLO 2	Tags Critical Thinking, Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)

Outcome
Write effectively in an expository manner and in a historical context. (Communication) Compare historical analyses by reading, comprehending, and evaluating historical documents. (Critical Thinking) (Information Literacy)

Name HIST145 - CLO 3	Tags Community and Workplace
Outcome Analyze the enormous diversity of experiences of African-American in American history. (Community and Workplace)	

HIST146 - African-American History II

Course Information

Course Number
146

Course Title (long)
African-American History II

Course Description
Students will examine the complex historical, sociocultural and environmental forces which have shaped the African-American culture and its communities in the United States. After surveying how slavery became institutionalized in Colonial America, students will focus on events, legislation and issues defining the struggles, acts of resistance, varied accomplishments and cultural experiences unique to African-Americans from the Civil War and Reconstruction Era to contemporary times. NOTE: This course is offered only in the Spring term.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), History (HI), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-146](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST146 - CLO 1	Tags Historical/Societal Analysis
Outcome Analyze the political, economic, religious, social, racial, and cultural developments of African-Americans from the Civil War through the twentieth century. (Historical/Societal Analysis)	

Name HIST146 - CLO 2	Tags Critical Thinking, Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)

Outcome
Write effectively in an expository manner and in a historical context. (Communication) Compare historical analyses by reading, comprehending, and evaluating historical documents. (Critical Thinking) (Information Literacy)

Name HIST146 - CLO 3	Tags Community and Workplace
Outcome Analyze the enormous diversity of experiences of African-Americans in American history. (Community and Workplace)	

HIST155 - Native American Studies

Course Information

Course Number
155

Course Title (long)
Native American Studies

Course Description
This course will identify and survey native peoples of the Americas from before European contact to the present. Students will have an opportunity to explore various aspects of Native American cultures. Comparative themes, issues and problems concerning them will be discussed. Presentations by Native Americans will be included. There will be an emphasis on understanding the participation of Native Americans in a world of diverse cultures.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST155](#)

Course Learning Outcomes

Please see that the Core Competencies addressed in this course are noted in parentheses. Upon completion of this course, students will be able to:

Name HIST155 - CLO 1	Outcome Analyze the political, economic, religious, social, racial, and cultural developments of the native peoples of the Americas.
Name HIST155 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST155 - CLO 3	Outcome Compare historical analyses by reading, comprehending, and evaluating historical documents.

Name HIST155 - CLO 4	Outcome Analyze the enormous diversity of experiences in American history.

HIST202 - History of New Jersey

Course Information

Course Number
202

Course Title (long)
History of New Jersey

Course Description
This survey of New Jersey history will cover the development of New Jersey from the Native American inhabitants, the Leni Lenape, European colonization, the colonial period, the American Revolution, the Jacksonian Era, Slavery and the Civil War, the Industrial Revolution, Labor Union Movements, Immigration, Women's Suffrage, Race issues and relations, the Great Depression, World War II, as well as the rise of Victorian Leisure, tourism and motion pictures. There will be special emphasis on Ecological history, Women's history, architecture and African American history in all topics. The course will use New Jersey history as a means of understanding the major themes of United States history. Therefore, the themes of United States history, such as European Colonization, the American Revolution, Slavery, Industrialization, etc. are employed and amplified by local history. This approach will also give students a greater sense of place as New Jersey residents and will provide Education majors with a pedagogical foundation for teaching the subject. The course will include a class trip to a historical site. (Prerequisites: READ-092 or READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History
Syllabus (Ctrl + click) HIST202		

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Tags
HIST202 - CLO 1	Historical/Societal Analysis
Outcome Analyze the political, economic, religious, social, racial, and cultural developments of the state of New Jersey (Historical/Societal Analysis)	

Name	Tags
HIST202 - CLO 2	Written and Oral Communication (Communication)
Outcome Write effectively in an expository manner and in a historical context. (Communication)	

Name	Tags
HIST202 - CLO 3	Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Compare historical analyses by reading, comprehending, and evaluating historical documents. (Critical Thinking) (Information Literacy)	

HIST205 - History of World War II

Course Information

Course Number
205

Course Title (long)
History of World War II

Course Description
The student will study the military, political, social and economic history of World War II, stressing both America's role and worldwide implications. The student will investigate the causes, events and outcomes of World War II. An understanding of this cataclysmic event will also necessitate knowing the leading personalities of the conflict and their goals and motivations.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History
Syllabus (Ctrl + click) HIST-205		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
HIST205 - CLO 1	Assess the political, economic, religious, social, racial, and cultural developments of World War II.

Name	Outcome
HIST205 - CLO 2	Communicate historical research of World War II effectively in an expository manner.

Name	Outcome
HIST205 - CLO 3	Compare and contrast information and analysis from historical documents of the World War II Era.

Name	Outcome
HIST205 - CLO 4	Evaluate the diversity of experiences and their effects on the societies involved in World War II.

HIST215 - African Civilization

Course Information

Course Number
215

Course Title (long)
African Civilization

Course Description
The student will describe the environmental, historical and socio-cultural factors that have shaped and continue to shape the course of human affairs in Africa. In addition, the relationship of the continent with the African Diaspora and the place of Africa in world civilization will be discussed and evaluated.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-215](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST215 - CLO 1	Tags Historical/Societal Analysis
Outcome Identify and synthesize the history of Africa, including its natural resources, environment, cultural institutions, economic institutions, religion, the Atlantic Slave Trade, colonialism by Western powers, national movements, and the myths and stereotypes. (Historical/Societal Analysis)	
Name HIST215 - CLO 2	Tags Written and Oral Communication (Communication)
Outcome Write effectively in an expository manner and in a historical context. (Communication)	

Name HIST215 - CLO 3	Tags Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Express critical thinking skills by comparing historical analyses, and by reading, comprehending, and evaluating historical documents (Critical Thinking) (Information Literacy)	
Name HIST215 - CLO 4	Tags Community and Workplace
Outcome Recognize the enormous diversity of experiences in African history. (Community and Workplace)	

HIST226 - History of Modern Russia

Course Information

Course Number
226

Course Title (long)
History of Modern Russia

Course Description
After a survey of earlier Russian history, students will discuss the political, social, economic and intellectual events in Russia since 1800. Emphasis will be placed on the Russia Revolutions, the features of modern Soviet society and the dissolution of the Soviet Union.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-226](#)

Justification
(Communication, Critical Thinking, Creative Expression, Information Literacy, Technological Literacy, Historical/Societal Analysis)

Course Learning Outcomes

The objectives of this course are twofold:

Name HIST226 - CLO 1	Outcome First, to develop a solid knowledge of not just the facts for the period we study, but an understanding of the interactions and exchanges between the different people that comprised the Soviet Union and the way in which they influenced one another, the USSR as a whole, and the world around them.
Justification (Communication, Critical Thinking, Creative Expression, Information Literacy, Technological Literacy, Historical/Societal Analysis)	
Name HIST226 - CLO 2	Outcome Second, to develop critical reading, thinking, and writing skills in analyzing historical material and sources, and producing first-rate historical work based on such analysis.

HIST227 - Middle Eastern History

Course Information

Course Number

227

Course Title (long)

Middle Eastern History

Course Description

Increasingly, events in the Middle East have commanded more attention throughout the world. The student will understand the historical evolution of the volatile Middle East from ancient times to the crisis-ridden present. Special emphasis will be placed on such themes as preIslamic civilization, the rise and expansion of Islam, the conflict between modernity and tradition, the growth of Arab nationalism, the persistence of Arab-Israeli crisis and Arab rivalries, Great Power conflicts in the region and the worldwide impact of oil. The effects of the end of the Cold War will also be considered. NOTE: This course is offered only in the Spring term.

Credit Hours

Min:

3

Billing Hours

Min:

3

General Education Competencies

Humanities (HU), History (HI), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)

HIST-227

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST227 - CLO 1	Tags Historical/Societal Analysis
Outcome Identify and synthesize the political, economic, religious, social, racial, and cultural developments of the Middle East from 1500 to the present, with special attention paid to those elements of its past that have a bearing on the present day. (Historical/Societal Analysis)	

Name HIST227 - CLO 2	Tags Written and Oral Communication (Communication)

Outcome
Write effectively in an expository manner and in a historical context.
(Communication)

Name HIST227 - CLO 3 Outcome Express critical thinking skills by comparing historical analyses, and by reading, comprehending, and evaluating historical documents. (Critical Thinking) (Information Literacy)	Tags Critical Thinking, Information Literacy (Integrated Course Goal)

Name	Tags
HIST227 - CLO 4	Community and Workplace
Outcome	
Recognize the enormous diversity of experiences in the Middle East in modern era. (Community and Workplace)	

HIST235 - Immigration & Ethnicity in American History

Course Information

Course Number
235

Course Title (long)
Immigration & Ethnicity in American History

Course Description
Students will demonstrate an understanding of the historical experiences of immigrants before, during and after arrival in this country, including ethnic life in the United States today.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-235](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST235 - CLO 1	Outcome Students will gain an understanding of key terms associated with immigration and ethnicity in the U.S.
Name HIST235 - CLO 2	Outcome Students will compare historical analyses and interpret historical documents.
Name HIST235 - CLO 3	Outcome Students will conduct research on the history of immigration in their own family and present their findings.

HIST236 - Twentieth Century American Diplomatic History

Course Information

Course Number
236

Course Title (long)
Twentieth Century American Diplomatic History

Course Description
Since World War II, more significant change has taken place in the United States international affairs than in all of its previous history. The student will investigate a selection of those events for opportunities to gain new insights and information to perform historical research. The accelerated events since 1950 have involved the United States in hot wars in Korea, Vietnam, Granada, Panama and Kuwait, in epoch making alliances in NATO and elsewhere, as well in diplomatic maneuvering in the Middle East, Latin America and Africa.

Credit Hours
Min:
3

Billing Hours
Min:
1

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-236](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST236 - CLO 1	Outcome Analyze the political, economic, religious, social, racial, and cultural developments of American diplomacy in the twentieth century.
Name HIST236 - CLO 2	Outcome Write effectively in an expository manner and in a historical context.
Name HIST236 - CLO 3	Outcome Compare historical analyses by reading, comprehending, and evaluating historical documents.

Name HIST236 - CLO 4	Outcome Analyze the enormous diversity of diplomatic experiences in American history.

HIST237 - American Civil War

Course Information

Course Number
237

Course Title (long)
American Civil War

Course Description
The student will survey all aspects of America's most tragic conflict: political, diplomatic, economic, psychological, social and religious. Military leaders, tactics, strategies and battle campaigns will also be discussed. NOTE: This course offered only in the Spring term.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Syllabus (Ctrl + click)
[HIST-237](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HIST237 - CLO 1	Outcome The student will become aware of the process of writing history, the role of the historian in selecting facts and have a basic understanding of historical interpretations.

Name HIST237 - CLO 2	Outcome The student will recognize the indirect and direct causes of the Civil War.

Name HIST237 - CLO 3	Outcome Describe the various historical interpretations of the causes of the Civil War.

Name HIST237 - CLO 4	Outcome Describe the major campaigns of the War, important people involved, and how and why the Union prevailed.

Name HIST237 - CLO 5	Outcome Understand the role of diplomacy in conflict.
Name HIST237 - CLO 6	Outcome Recognize the role of women and African Americans in the Civil War.
Name HIST237 - CLO 7	Outcome Understand the events of Lincoln's assassination and its impact on the nation.

HIST245 - Topics in History

Course Information

Course Number 245	Course Title (long) Topics in History
Course Description This course investigates topics pertaining to the study of history and provides a closer examination of historical issues than provided in survey courses. The course will be conducted in a seminar style and will require the completion of a significant research paper. The focus of the course will differ by semester. This course is highly recommended for history majors. (Prerequisites: At least one college-level history course)	

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* History
Syllabus (Ctrl + click) HIST245		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete at least 1 courses in the following course sets: History Courses
<i>At least one college-level history course</i>

Course Learning Outcomes

Name HIST245 - CLO 1	Outcome Analyze the significance of the course topic in the past and present.
Name HIST245 - CLO 2	Outcome Communicate information and ideas clearly and effectively in the written and spoken form and demonstrate effective listening and reading skills.

Name HIST245 - CLO 3	Outcome Utilize critical skills to analyze information, identify solutions, make logical decisions and solve problems.

Name HIST245 - CLO 4	Outcome Identify a need for information and collect, analyze, organize, and evaluate information from a variety of sources.

HIST295 - Special Project - History

Course Information

Course Number
295

Course Title (long)
Special Project - History

Course Description
The student will work independently on a project mutually agreed upon with the instructor.

Credit Hours

Min:	Max:
1	3

Department(s) ~*
History

HIST299 - Internship in History

Course Information

Course Number
299

Course Title (long)
Internship in History

Course Description
The student will select from a variety of internships of a historical nature that are located within the community. Approval of the instructor and Career Services Representative is required.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	History

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Fulfill ALL of the following requirements: Approval of the instructor and Career Services Representative is required.

HITC121 - Introduction to Health Information Technology

Course Information

Course Number
121

Course Title (long)
Introduction to Health Information Technology

Course Description
This course introduces the student to the health care delivery system and the development, content, format, analysis and use of medical records. It addresses the function of the medical record department and the role of the medical record technician. In addition, the relationship between an accurate and comprehensive medical record and reimbursement is discussed.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Allied Health

HITC122 - Health Information in Alternative System

Course Information

Course Number
122

Course Title (long)
Health Information in Alternative System

Course Description
In this course, the student is introduced to the use and function of the health record in non-acute care settings. Alternative sites include long term care, psychiatric settings, rehabilitation services and cancer programs. In addition, regulatory and accreditation standards will be discussed.(Prerequisite or Corequisite: HITC-121)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: HITC121 - Introduction to Health Information Technology
Corequisite Type Corequisite Career Studies Enroll in the following Courses: HITC121 - Introduction to Health Information Technology

HITC123 - Health Information and the Law

Course Information

Course Number
123

Course Title (long)
Health Information and the Law

Course Description
This course focuses on the legal and ethical aspects of health information technology in the United States. The roles of various health care providers and governmental agencies are covered as well as health care legislation. There is an emphasis on the function of the medical record department in relation to risk management. (Prerequisite or Corequisite: HITC-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- HITC121 - Introduction to Health Information Technology

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- HITC121 - Introduction to Health Information Technology

HITC221 - Coding & Classification Systems I

Course Information

Course Number
221

Course Title (long)
Coding & Classification Systems I

Course Description
In this course the student will study the principles of coding and classification systems with an emphasis on the current coding classification system. Emphasis will be placed on the use of and application of coding and classification systems in the health care environment.(Prerequisites: HESC-105, BIOL-111, BIOL-112 and HITC-121;Prerequisite(s) or corequisite(s): HESC-165)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- HESC105 - Medical Terminology
- BIOL111 - Anatomy and Physiology I
- BIOL112 - Anatomy and Physiology II
- HITC121 - Introduction to Health Information Technology
- HESC165 - Pathophysiology

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- HESC165 - Pathophysiology

HITC222 - Health Information Systems and Technology

Course Information

Course Number
222

Course Title (long)
Health Information Systems and Technology

Course Description
This course introduces the student to computer applications in health information services. Data entry, display, abstracting and retrieval will be emphasized. The electronic record and future directions in information systems will also be discussed.(Prerequisite: HITC-121 and COMP-129 or knowledge of computer applications)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[HITC222](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

HITC121 - Introduction to Health Information Technology

Computer Knowledge

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

COMP129 - Information Technology

OR

Criteria 2

OR:

Knowledge of computer applications.

HITC223 - Health Information Reporting

Course Information

Course Number
223

Course Title (long)
Health Information Reporting

Course Description
This course addresses medical statistics and quality improvement. It includes topics such as sources and use of health data and computations commonly used by health care facilities. In addition quality indicators and the principles of performance improvement are covered.(Prerequisite or Corequisite: HITC-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[HITC223](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

HITC121 - Introduction to Health Information Technology

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

HITC121 - Introduction to Health Information Technology

HITC224 - Coding & Classification Systems II

Course Information

Course Number
224

Course Title (long)
Coding & Classification Systems II

Course Description
In this course the student will study the principles of coding and classification systems with an emphasis on the Health Care Financing Administration's Common Procedural Coding System (HCPCS) and Current Procedural Coding (CPT). (Prerequisite: HITC-221 and HITC-222)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[HITC224](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses:
- HITC221 - Coding & Classification Systems I - HITC222 - Health Information Systems and Technology

HITC225 - Health Information Management

Course Information

Course Number
225

Course Title (long)
Health Information Management

Course Description
This course addresses basic principles of supervision and management in the health information setting. Resources, procedures, planning, consultation and the role of the health information technician in the health care team will be discussed.(Prerequisite(s): HITC-121, HITC-122, HITC-123 HITC-221, HITC-222, and HITC-223)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[HITC225](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses:
- HITC121 - Introduction to Health Information Technology - HITC122 - Health Information in Alternative System - HITC123 - Health Information and the Law - HITC221 - Coding & Classification Systems I - HITC222 - Health Information Systems and Technology - HITC223 - Health Information Reporting

HITC226 - Clinical Practicum

Course Information

Course Number
226

Course Title (long)
Clinical Practicum

Course Description
This supervised practicum introduces students to a health information setting. The student will have the opportunity to apply information and skills learned in the classroom to procedures performed in a health information management department. Students are assigned to various types of health care facilities to gain experience with a variety of health information practices. Three months prior to registration for HITC-226 students will need to complete a criminal background check. (Prerequisites: HITC-121, HITC-122, HITC-123, HESC-165, HITC-221, HITC-222 and HITC-223; Prerequisite(s) or Corequisite(s): HITC-224, HITC-225, and HITC-227)

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[HITC226](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
- HITC121 - Introduction to Health Information Technology - HITC122 - Health Information in Alternative System - HITC123 - Health Information and the Law - HESC165 - Pathophysiology - HITC221 - Coding & Classification Systems I - HITC222 - Health Information Systems and Technology - HITC223 - Health Information Reporting - HITC224 - Coding & Classification Systems II - HITC225 - Health Information Management - HITC227 - Reimbursement Methodologies

Corequisite
Type
Corequisite
Career Studies
Enroll in the following Courses:

- HITC224 - Coding & Classification Systems II
- HITC225 - Health Information Management
- HITC227 - Reimbursement Methodologies

HITC227 - Reimbursement Methodologies

Course Information

Course Number
227

Course Title (long)
Reimbursement Methodologies

Course Description
This course provides students the opportunity to learn the history, rationale, and methodology of the systems used by third party payers to determine the reimbursement that health care providers will receive. Reimbursement concepts include fee-for-service, managed care, capitation systems, Diagnosis-Related Groups (DRGs), Resource Based Value Scale (RBRVS), Ambulatory Payment Classifications (APCs), and related concepts. The use of the charge description master (chargemaster) in reimbursement will be discussed. The importance of compliance with regulations and the related issues of fraud and abuse will also be addressed. (Prerequisite: HITC-221 and HITC-222)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[HITC227](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
- HITC221 - Coding & Classification Systems I - HITC222 - Health Information Systems and Technology

HONR298 - Honors Symposium

Course Information

Course Number
298

Course Title (long)
Honors Symposium

Course Description
Students who intend to graduate from Brookdale's Honors program are required to prepare a capstone project to be presented at the annual Honors Symposium. This project will be drawn from the work they have done within the Honors program. With the permission of the Honors Coordinator, students may also base their projects on work within their major or resulting from an international or service learning experience. (Prerequisites: Completion of at least nine credits of Honors coursework or permission of the Honors coordinator)

Credit Hours
Min:
0

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Philosophy

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

- Completion of at least nine credits of Honors coursework.
- Permission of the Honors coordinator.

HOSP105 - Introduction to Hospitality Management

Course Information

Course Number
105

Course Title (long)
Introduction to Hospitality Management

Course Description
Introduce students to all areas of the hospitality industry, including exploring the businesses and their management. Identify the latest trends and preparation needed for a career in hospitality. (Prerequisite(s): READ-092, READ-095 or passing score in reading on Foundational Studies test)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[HOSP105](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

- Passing score in reading on Foundational Studies test.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HOSP105 - CLO 1	Outcome Discuss the different jobs and opportunities there are in the hospitality industry.
Name HOSP105 - CLO 2	Outcome Explore hotels, restaurants, casinos, sports venues, clubs, cruise ships and other hospitality industries as well as their historical significance.
Name HOSP105 - CLO 3	Outcome Distinguish aspects of the Hotel and Food Service Industries.
Name HOSP105 - CLO 4	Outcome Outline a plan to organize such special events meetings, conventions, gaming, sports, and catering Explore the globalization and trends in the tourism industry.
Name HOSP105 - CLO 5	Outcome Interact with case studies and situations.

HOSP115 - Menu Planning and Food Safety

Course Information

Course Number 115
Course Title (long) Menu Planning and Food Safety
Course Description The course will guide students through the menu process. Planning for target markets and branding concepts including cost control, layout, and design of menu planning will be applied. The course prepares students for the Serv Safe National Food Safety Certification Examination which is required to pass the course. (Prerequisite(s): READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading and MATH-012 or MATH-015 or satisfactory completion of the College's foundational studies requirement in computation; Prerequisite or Co-requisite: HOSP-105)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Culinary Arts

Syllabus (Ctrl + click)
[HOSP115](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- HOSP105 - Introduction to Hospitality Management

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Foundational Studies Requirement in Computation	
Fulfill ANY of the following requirements:	
Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Computation	
OR	
Criteria 2 OR: Satisfactory completion of the College's foundational studies requirement in computation.	

Corequisite
Type
Corequisite
Career Studies Enroll in the following Courses: HOSP105 - Introduction to Hospitality Management

Name HOSP115 - CLO 7	Outcome Debate the need for truth in Menu Laws, food item descriptions.
Name HOSP115 - CLO 8	Outcome Layout and design a menu.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HOSP115 - CLO 1	Outcome Students will achieve Serv Safe National Food Safety Exam Certification.
Name HOSP115 - CLO 2	Outcome Define market, demographics and factors that impacts menus.
Name HOSP115 - CLO 3	Outcome Describe why nutrition is a critical component of menu planning.
Name HOSP115 - CLO 4	Outcome Identify menu types, menu categories and food options.
Name HOSP115 - CLO 5	Outcome Identify beverage descriptions on menus.
Name HOSP115 - CLO 6	Outcome Calculate menu costs and determine pricing.

HOSP130 - Introduction to Sports Management

Course Information

Course Number
130

Course Title (long)
Introduction to Sports Management

Course Description
This course introduces the student to the field of Sports Management and Sports Marketing. Students will explore sports organizations and professions in the field. Students will gain an understanding of the management of the sports industry and sports facilities.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Hospitality Management

Syllabus (Ctrl + click)
[HOSP130](#)

Course Requirements

Simple Requisites

Corequisite
Type
Corequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

• Passing score on Foundational Skills test.

Name HOSP130 - CLO 1	Outcome Define sports management and discuss the nature and scope of opportunities in the sport industry.
Name HOSP130 - CLO 2	Outcome Critically evaluate major challenges in various segments of the industry such as youth, interscholastic, intercollegiate and professional sports.
Name HOSP130 - CLO 3	Outcome Explain the relevance of ethical, legal, and sociological concepts to the management of sports.
Name HOSP130 - CLO 4	Outcome Demonstrate an appreciation of diversity through the use of unbiased language and an inclusive approach to sports communication.
Name HOSP130 - CLO 5	Outcome Identify the unique aspects) of marketing sports.
Name HOSP130 - CLO 6	Outcome Discuss the influence of technology (social and digital media) on sports marketing success.
Name HOSP130 - CLO 7	Outcome Identify the types of employment opportunities available in the sports industry.

Course Learning Outcomes

Upon completion of this course, students will be able to:

517 / 779

HOSP215 - Food and Beverage Management'

Course Information

Course Number
215

Course Title (long)
Food and Beverage Management'

Course Description
This course will give students understanding of the food and beverage operations in all aspects of the hospitality industry including practical and theoretical understanding of quantity food and beverage production and service operations. The course prepares students for the Serv Safe Alcohol Certification Examination which is required to pass the course. (Prerequisite(s): A grade of "C" or higher in HOSP-105; Prerequisite or Co-Requisite: A grade of "C" or higher in HOSP-115)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts
Syllabus (Ctrl + click) HOSP215		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Earn a minimum grade of "C" in the following: - HOSP105 - Introduction to Hospitality Management - HOSP115 - Menu Planning and Food Safety
Corequisite Type Corequisite	Career Studies Earn a minimum grade of "C" in the following: HOSP115 - Menu Planning and Food Safety

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HOSP215 - CLO 1	Outcome Create and utilize standardized recipes.
Name HOSP215 - CLO 2	Outcome Explain the differences between commercial and non-commercial food service operations.
Name HOSP215 - CLO 3	Outcome Discuss special dietary concerns as they relate to the foodservice industry.
Name HOSP215 - CLO 4	Outcome Apply knowledge of the purchasing and receiving process.
Name HOSP215 - CLO 5	Outcome Establish quality standards for alcoholic and non-alcoholic beverages.
Name HOSP215 - CLO 6	Outcome Establish quality standards for quantity food production.
Name HOSP215 - CLO 7	Outcome Explain human resource management in food and beverage operations.
Name HOSP215 - CLO 8	Outcome Develop table service skills and front of the house service standards.

HOSP225 - Hotel and Operations Management

Course Information

Course Number
225

Course Title (long)
Hotel and Operations Management

Course Description
Students will acquire skills and knowledge required to manage and effectively supervise in the hotel and lodging industry. Front office, housekeeping, concierge, food and beverage, events and banquets, recreation and security operations will be explored and practiced. Students will spend 20 hours doing field experience at an approved affiliated hotel.(Prerequisite(s): A grade of "C" or higher in HOSP-105 and HOSP-115)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[HOSP225](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- HOSP105 - Introduction to Hospitality Management
- HOSP115 - Menu Planning and Food Safety

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HOSP225 - CLO 1	Outcome Explore the operation and service of the front desk and office.
Name HOSP225 - CLO 2	Outcome Describe Franchise Agreements and Management Contracts.

Name HOSP225 - CLO 3	Outcome Describe management of housekeeping operations.
Name HOSP225 - CLO 4	Outcome Discuss Human resources of lodging facilities.
Name HOSP225 - CLO 5	Outcome Determine Sales and marketing techniques.
Name HOSP225 - CLO 6	Outcome Explore Facility Engineering and Maintenance.

HOSP235 - Catering and Event Planning

Course Information

Course Number
235

Course Title (long)
Catering and Event Planning

Course Description
This course gives students a basic understanding of catering functions and organizing special events. Students will engage in the planning process for a spectrum of event venues. Students will explore cost control and customer service aspects of events. (Prerequisite(s): A grade of "C" or higher in HOSP-215 and HOSP-225)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[HOSP235](#)

Name HOSP235 - CLO 3	Outcome Develop knowledge to organize and implement events.

Name HOSP235 - CLO 4	Outcome Describe event venues and organizational structure of hospitality industry.

Name HOSP235 - CLO 5	Outcome Create a Plan to Produce special events.

Name HOSP235 - CLO 6	Outcome Explore legal issues in event planning.

Name HOSP235 - CLO 7	Outcome Develop costing formulas for labor and supplies for events.

Name HOSP235 - CLO 8	Outcome Define and develop customer service strategies.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- HOSP215 - Food and Beverage Management' - HOSP225 - Hotel and Operations Management

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HOSP235 - CLO 1	Outcome Define catering, types of catering.

Name HOSP235 - CLO 2	Outcome Describe the management of catering functions.

HOSP245 - Travel and Tourism

Course Information

Course Number
245

Course Title (long)
Travel and Tourism

Course Description
This course provides students the principles of tourism and travel in relation to the hospitality industry. Topics covered include providing tourism services, accommodations, food and beverage and attractions. The cultural impacts of tourism and globalization are explored. (Prerequisite(s): A grade of "C" or higher in HOSP-235)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[HOSP245](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
HOSP235 - Catering and Event Planning

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name HOSP245 - CLO 1	Outcome Introduction to the tourism industry.
Name HOSP245 - CLO 2	Outcome Identify Transportation methods and resources.

Name HOSP245 - CLO 3	Outcome Explore global tourist Accommodations.
Name HOSP245 - CLO 4	Outcome Capture Technologies used in the tourism industry.
Name HOSP245 - CLO 5	Outcome Analyze the impact of economic conditions and political events on the tourism industry.
Name HOSP245 - CLO 6	Outcome Explore cultures and regions of the world.

HOSP295 - Special Project-Hospitality Management

Course Information

Course Number
295

Course Title (long)
Special Project-Hospitality Management

Credit Hours
Min:1Max:3

Department(s) ~*
Culinary Arts

Syllabus (Ctrl + click)
[HOSP295](#)

HOSP299 - Hospitality Internship

Course Information

Course Number
299

Course Title (long)
Hospitality Internship

Course Description
Students will be placed in approved sites for 225 hours of related work experience. The student will complete an internship experience logbook pertaining to the work experience. (Prerequisite(s): Completion of 20 credits, 12 of which must be from career studies, and approval of instructor and Career Services Representative)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Culinary Arts

Syllabus (Ctrl + click)
[HOSP299](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- Completion of 20 credits, 12 of which must be from career studies.
- Approval of instructor and Career Services Representative.

HUDV107 - First Year Seminar

Course Information

Course Number
107

Course Title (long)
First Year Seminar

Course Description
Students learn to identify and practice a variety of skills and behaviors that can foster success in college and work. They will explore their personal goals and values through individual projects, class exercises and group interaction. This course is highly recommended for all first- time, full-time students in any program that requires less than 66 total credits. This course should be taken in the student's first semester at Brookdale.

Credit Hours
Min:
1

Billing Hours
Min:
1

Department(s) ~*
Counseling

HUDV108 - Achievement Motivation

Course Information

Course Number
108

Course Title (long)
Achievement Motivation

Course Description
Students will study achievement patterns and behaviors and apply this understanding to their own lives. Also there will be an emphasis on achievement goal setting and time management skills. The need to achieve will also be studied in light of other needs of the personality.

Credit Hours
Min:
1

Billing Hours
Min:
1

Department(s) ~*
Counseling

Syllabus (Ctrl + click)
[HUDV108](#)

HUDV109 - Human Development Seminar

Course Information

Course Number

109

Course Title (long)

Human Development Seminar

Course Description

By exploring personal strengths, values and motivations, participants will develop a more positive self concept and gain experience in setting personal goals that are both realistic and rewarding. There will be some free discussion involved, but most sessions are structured experiences.

Credit Hours

Min:

3

Billing Hours

Min:

3

Department(s) ~*

Counseling

Syllabus (Ctrl + click)

[HUDV109](#)

HUDV116 - Human Development Career Development And Self Assessment Seminar

Course Information

Course Number

116

Course Title (long)

Human Development Career Development And Self Assessment Seminar

Course Description

Students will apply the process and utilization of materials including Kuder online assessment tool, NJ Department of Labor website and other related data in making career decisions. The student will be able to identify the strengths and weaknesses of their life goals based on the Kuder online assessment tool and self reflection. They will learn to locate and understand the various Holland Codes and create mini case studies. The student will set expectations, outcomes, and reasonable long-term and short-term career goals.

Credit Hours

Min:

1

Billing Hours

Min:

1

Department(s) ~*

Counseling

Syllabus (Ctrl + click)

[HUDV116](#)

HUDV117 - Career Exploration Seminar

Course Information

Course Number

117

Course Title (long)

Career Exploration Seminar

Course Description

Students will apply the Kuder online career assessment tool to make career decisions. The student will identify potential obstacles to the decision making process. They will identify career choices that match their passions. Students will also be able to identify obstacles toward selecting a major and gaining employment in these careers and learn tools to help overcome these obstacles. They will learn how to utilize online and text reference materials to research career information. Students will be able to use all of these exploration tools to assist them in their career decision making process and to create a career portfolio. (Prerequisites: HUDV-116 is recommended, but not required)

Credit Hours

Min:

1

Billing Hours

Min:

1

Department(s) ~*

Counseling

Syllabus (Ctrl + click)

[HUDV117](#)

HUDV118 - Human Development Seminar: Career Development and Attainment Seminar

Course Information

Course Number
118

Course Title (long)
Human Development Seminar: Career Development and Attainment Seminar

Course Description
Students will apply the job search process and demonstrate job search strategies. Students will use written materials and verbal communication to convey their experiences and expectations in pursuit of career goals. The student will demonstrate effective job interview skills. The student will demonstrate knowledge of various aspects of employment law. Students will be able to understand diversity in the work place. (Prerequisites: HUDV-116 and HUDV-117 are recommended, but not required)

Credit Hours
Min:
1

Billing Hours
Min:
1

Department(s) ~*
Counseling

Syllabus (Ctrl + click)
[HUDV118](#)

HUDVWKSH - Planning for Success Workshop

Course Information

Course Number
WKSH

Course Title (long)
Planning for Success Workshop

Course Description
This study group is geared for Academic Probation I and II students.

Credit Hours
Min:
0

Department(s) ~*
Counseling

HUMN111 - Intro to Social Justice in Humanities

Course Information

Course Number
111

Course Title (long)
Intro to Social Justice in Humanities

Course Description
What's the best way to define and pursue social justice? How do we cultivate our empathy, deepen our ethical commitment, and make a positive impact as global citizens? Together, we will seek answers to these essential questions by embarking upon a quest that transcends disciplinary boundaries. In a collaborative community of scholars, students will demonstrate personal agency and problem-solving skills as they share their learning about identity, inequities, social justice movements, and global issues. Taking a critical approach to textual analysis and information literacy, students will demonstrate personal agency as they practice communication in various modalities (written, oral, multimedia) with the goal of addressing complex issues and effecting positive change.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU), Cultural and Global Awareness (CG), Ethical Reasoning and Action (E), Information Literacy (IL)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	English

Syllabus (Ctrl + click)
[HUMN-111](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
HUMN111 - CLO 1	Read a variety of literary and social texts addressing social justice in a domestic and global setting.
HUMN111 - CLO 2	Explicate key concepts of social justice issues and movements in different areas of the world.

Name HUMN111 - CLO 3	Tags Information Literacy (Integrated Course Goal)
Outcome Conduct research using library databases and the open internet; identify and analyze credible scholarly and popular sources in response to a topic question; practice information literacy by thinking critically about rhetorical choice, authorial authority, journalistic integrity, publication bias, and platform ownership (IL);	

Name HUMN111 - CLO 4	Tags Ethical Reasoning and Action (Integrated Course Goal)
Outcome Identify the ethical values present in globally diverse social justice movements and locate these values in historical texts addressing human rights (E);	

Name HUMN111 - CLO 5	Tags Cultural and Global Awareness (CG)
Outcome Understand the identities of diverse peoples as socially constructed; recognize the way in which different aspects of identity (such as gender, sexuality, race, ethnicity, class, etc.) intersect and are privileged or marginalized in various cultural contexts, in the U.S. and abroad (GC);	

Name HUMN111 - CLO 6	Tags Information Literacy (Integrated Course Goal)
Outcome Synthesize course readings, independent research, and personal experience in a proposal argument addressing a social justice issue (IL).	

HUMN125 - The Creative Process

Course Information

Course Number
125

Course Title (long)
The Creative Process

Course Description
This Humanities interdisciplinary course introduces a variety of creative processes to equip the student to become a more informed, responsive and creative audience for all the arts. The course is equally useful to all students because the amount of experience with, or prior knowledge of, the arts makes little difference in the student's ability to complete the requirements of learning from the course. Artists from the College and community will come to class and discuss their work in process. Also, students will visit studios and workshops, attend rehearsals and meet practicing artists from the College and community.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[HUMN125](#)

HUMN129 - Issues in Women's and Gender Studies

Course Information

Course Number
129

Course Title (long)
Issues in Women's and Gender Studies

Course Description
This course provides an introductory exploration of the interdisciplinary field of Women's and Gender Studies and includes analysis of human lives and experiences through readings in a wide range of topics from scholarship as well as creative texts and media on gender and sexuality. Students will work with a variety of primary and secondary sources, a combination of literary and non-fiction texts, both classic and contemporary, in order to develop written reflections and engage in class discussions that consider and analyze the impact of gender and its intersections on the human experience. Students will have the opportunity to choose to complete a service-learning project throughout the semester or complete a final research project.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	English

Syllabus (Ctrl + click)
[HUMN129](#)

Course Learning Outcomes

Name HUMN129 - CLO 1	Outcome Critically evaluate the cultural construction of gender.
Justification (Core Competencies: Critical Thinking; Communication; Historical/Societal Analysis; Information Literacy; Technological Literacy)	
Name HUMN129 - CLO 2	Outcome Demonstrate an understanding of the intersections of race, class, gender and sexuality.

Justification (Core Competencies: Critical Thinking; Communication; Historical/Societal Analysis; Information Literacy; Technological Literacy)	
Name HUMN129 - CLO 3	Outcome Demonstrate understanding and engagement with the essential questions, debates and methods of Women's Studies including feminist/ womanist perspectives and practices
Justification (Core Competencies: Critical Thinking; Communication; Historical/Societal Analysis; Information Literacy; Technological Literacy)	
Name HUMN129 - CLO 4	Outcome To explain and apply a feminist and/or womanist analysis of social institutions such as family, health care, media, religion, legal systems, work and labor, and/or education
Justification (Core Competencies: Critical Thinking; Communication; Historical/Societal Analysis; Information Literacy; Technological Literacy)	

HUMN230 - Women and Science

Course Information

Course Number
230

Course Title (long)
Women and Science

Course Description
This course provides an interdisciplinary examination of women's relationship to the natural sciences, mathematics and technology. The social construction of gender and race will be examined along with a feminist critique of science. The history of women in science and the experiences of contemporary women scientists will be included along with the impact of science and technology on women's lives. Course materials include case studies and autobiographical narratives, films, as well as theory and sociological analysis. NOTE: This course is offered only in the Fall term. (Prerequisite: ENGL-121)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	English

Syllabus (Ctrl + click)
[HUMN230](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- ENGL121 - English Composition:The Writing Process

HUMN299 - Humanities Internship

Course Information

Course Number
299

Course Title (long)
Humanities Internship

Course Description
This internship is designed for Humanities majors who wish to earn credit while working in a career field related to their major or career goal. Students may use this experience to apply their classroom skills and theories to real work situations in the Humanities area. Internship requirements will be discussed with the appropriate Humanities instructor prior to a student's participation. (Prerequisite: Completion of at least one semester of college level course work and prior approval of instructor and Career Services Representative)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	English

Syllabus (Ctrl + click)
[HUMN299](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- Completion of at least one semester of college level course work.
- Prior approval of instructor and Career Services Representative.

IDST295 - Special Project - Interdisciplinary Studies

Course Information

Course Number
295

Course Title (long)
Special Project - Interdisciplinary Studies

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Anthropology, Political Science, Psychology, Sociology

INTD150 - Design Elements for Interior Environments

Course Information

Course Number
150

Course Title (long)
Design Elements for Interior Environments

Course Description
The purpose of this course is to provide students with the working knowledge of design characteristics and the elements and principles of design as it relates to the interior environment. In a studio setting, 2-dimensional relationships will be explored through a variety of media. Emphasis will be on students developing an understanding of the design process and demonstrating their ability to design and create compositions based on these fundamental principles. 2.5 hours of additional lab time required. Field trips may be required.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[INTD150](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD150 - CLO 1	Outcome Apply the elements and principles of art to their designs of furniture, textiles, interior spaces and 2-dimensional compositions.
Name INTD150 - CLO 2	Outcome Illustrate how design relationships establish the functional, structural, and aesthetic qualities of interior environments.
Name INTD150 - CLO 3	Outcome Express an aesthetic response and theoretical understanding of design concepts using industry-standard vocabulary through verbal critiques and peer-reviews of class work.

	Outcome Evaluate, analyze and judge professional design work through written critiques.
Name INTD150 - CLO 4	

INTD152 - Drafting and Graphic Presentation for Interior Design

Course Information

Course Number 152
Course Title (long) Drafting and Graphic Presentation for Interior Design
Course Description Students will be introduced to basic tools of drafting and graphic presentation. Students will create a set of drawings and plans necessary for the installation of an Interior Design project. Field trips may be required.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[INTD152](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

	Outcome Plan and draft a house to scale beginning with schematic drawings.
Name INTD152 - CLO 1	

	Outcome Develop, refine and illustrate complex ideas in the drafted form.
Name INTD152 - CLO 2	

	Outcome Apply mechanical drafting techniques in drawings such as furniture plans, elevations, reflected ceiling plans, axonometric, millwork, perspective drawings, and schedules.
Name INTD152 - CLO 3	

INTD153 - Drawing Techniques in Digital Media Interior Design II

Course Information

Course Number 153
Course Title (long) Drawing Techniques in Digital Media Interior Design II
Course Description The purpose of this class is to introduce the student to advanced digital drawing and presentation techniques utilized by the professional designer. This digital drawing course will emphasize rendering techniques and variations on the creation of presentation materials using 3D software, while reinforcing the drafting skills and techniques acquired in INTO 152. Students will have a series of exercises to complete (and compile for their portfolio) in order to develop competency with the 3D software. Students will then apply their skills to their semester project. (Prerequisite: A grade of "C" or higher in INTD-152)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[INTD153](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: INTD152 - Drafting and Graphic Presentation for Interior Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

	Outcome Apply the 3D software skills to create 2D detail drawings as illustrated in INTD 152.
Name INTD153 - CLO 1	

Name INTD153 - CLO 2	Outcome Produce a final set of presentation drawings for the semester project.

Name INTD153 - CLO 3	Outcome Express visual, verbal or written methods of communication to articulate a response to the arts and/or humanities.

INTD154 - Introduction to Interior Design Studio

Course Information

Course Number
154

Course Title (long)
Introduction to Interior Design Studio

Course Description
This course introduces students to the diversified field of interior design. Through class lecture and discussion, students will gain an overall view of various aspects of the profession and a basic understanding of the role of the designer. Students will be introduced to the mechanical and aesthetic tools of the designer, and will develop a project that will demonstrate how a job would be presented to a client. 2.5 hours additional lab time required. Field trips may be required. (Prerequisite INTD-152)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[INTD154](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: INTD152 - Drafting and Graphic Presentation for Interior Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

	Outcome Develop and apply programming and schematic design skills including written programs that document the requirements of the project, criteria/ adjacency matrix, bubble diagrams, and furniture, furnishings, and equipment (FF&E) needs demonstrating a thorough understanding of the design process.
Name INTD154 - CLO 1	

	Outcome Analyze problems concerning spatial relationships and planning; students will develop an understanding of human interaction with the built environment and apply ergonomic, proxemic, and anthropometric concepts to their design solutions.
Name INTD154 - CLO 2	

	Outcome Experiment with basic design elements and principles, and universal design concepts.
Name INTD154 - CLO 3	

	Outcome Apply skills in both sketching and more formal methods of graphic presentation including furniture plans, elevations, RCP, millwork, perspectives, presentation boards and color renderings of various aspects of their projects.
Name INTD154 - CLO 4	

	Outcome Create a visual presentation using formats and techniques appropriate for their project.
Name INTD154 - CLO 5	

	Outcome Prepare and deliver a verbal presentation of their design projects using Industry Standard Design vocabulary.
Name INTD154 - CLO 6	

	Outcome Apply skills acquired in INTD 150, 152, 153, and 163.
Name INTD154 - CLO 7	

INTD155 - Illustrative Sketching for Interior Environments

Course Information

Course Number 155
Course Title (long) Illustrative Sketching for Interior Environments

Course Description The purpose of this course is to help the student develop sketching skills, which are useful to the designer as a tool in design development, as well as a means of effectively communicating ideas to others. Specifically, the student will learn techniques for drawing interior spaces. These sketches provide the designer with a means of rapid visualization of the intended design concept. This allows for critical analysis and improvement of the design before more technical drawings are completed. They also serve as a basis for all future working and presentation drawings.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art
Syllabus (Ctrl + click) INTD155		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD155 - CLO 1	Outcome Apply quick-sketching techniques to express their ideas through creation of conceptual interior drawings.
Name INTD155 - CLO 2	Outcome Demonstrate 1 and 2 point three-dimensional perspective and rendering skills of objects and interiors.

	Outcome Compose their thoughts and images using industry-standard design vocabulary in both presentations and critique Perform on-site sketching of various locations outside the traditional classroom. Establish criteria for what is needed in terms of presenting their view in two-dimensional form.
Name INTD155 - CLO 3	

INTD163 - History of Furniture & Interiors

Course Information

Course Number
163

Course Title (long)
History of Furniture & Interiors

Course Description
This course is a chronological survey of the development of interior design and its primary component - furniture - in the Western World from pre-history to the present, within the cultural context that shaped it. Special attention is given to the relationship between architecture, interior architecture, and furnishings; between the fine and decorative arts; and to the Elements and Principles used to create and describe design. Through a mix of focused, weekly exercises (quiz or homework), tests, and image-related projects, students develop visual and intellectual comprehension of "the story" of the evolution of style in interior design. (Prerequisite(s): ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing and READ-095 or READ-092 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[INTD163](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Writing
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Course Sets:
Foundational Studies Requirement in Writing
OR
Criteria 2
OR;
Satisfactory completion of the College's foundational studies requirement in writing.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD163 - CLO 1	Outcome Examine major furniture styles and place them within their historical and cultural context.
Name INTD163 - CLO 2	Outcome Identify the defining, formal characteristics of essential periods and styles.
Name INTD163 - CLO 3	Outcome Analyze historical and/or societal issues as they impact current and future trends.

INTD221 - Kitchen and Bath Design Studio I

Course Information

Course Number

221

Course Title (long)

Kitchen and Bath Design Studio I

Course Description

This studio focuses on the fundamental concepts ofresidential and commercial kitchen and bath design, and covers projects from programming through completion. Through a series of class projects, students will learn how to design kitchens and bathrooms according to professional guidelines. Industry standards for safety and function will be emphasized. Field trips may be required and will complement classroom projects and lectures.(Prerequisite(s): A grade of "C" or higher in INTD-152)

Credit Hours

Min:
3

Billing Hours

Min:
3

School

School of STEAM

Division

Division of Arts, Design, Science & Technology

Department(s) ~*

Art

Syllabus (Ctrl + click)

[INTD221](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- INTD152 - Drafting and Graphic Presentation for Interior Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD221 - CLO 1	Outcome Identify the elements and principles of design.
Name INTD221 - CLO 2	Outcome Apply anthropometrics, human needs and spatial needs to design projects.

Name INTD221 - CLO 3	Outcome Apply kitchen and bath guidelines to completed designs.
Name INTD221 - CLO 4	Outcome Complete schematic drawings (including floor plans, elevations, millwork, and lighting) meeting all professional standards in the design industry.
Name INTD221 - CLO 5	Outcome Create millwork drawings for custom cabinetry.
Name INTD221 - CLO 6	Outcome Complete sample order forms for cabinetry.

INTD222 - Kitchen and Bath Design Studio II

Course Information

Course Number 222
Course Title (long) Kitchen and Bath Design Studio II
Course Description This studio focuses on advanced concepts of residential and commercial kitchen and bath design, and covers projects from programming through completion. Comprehensive knowledge of construction, mechanical, plumbing, and electrical systems will be addressed. Through a series of class projects, students will learn how to design kitchens and bathrooms according to professional guidelines. Industry standards for safety and function will be emphasized. Field trips may be required and will complement classroom projects and lectures. (Prerequisite(s); A grade of "C" or higher in INTD-221)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art
Syllabus (Ctrl + click) INTD222		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: INTD221 - Kitchen and Bath Design Studio I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD222 - CLO 1	Outcome Apply the elements and principles of design.
Name INTD222 - CLO 2	Outcome Apply anthropometrics, ergonomics, proxemics, human needs and spatial needs to design projects.

Name INTD222 - CLO 3	Outcome Apply kitchen and bath guidelines to completed designs.
Name INTD222 - CLO 4	Outcome Demonstrate an understanding of construction, mechanical, plumbing, and electrical systems.
Name INTD222 - CLO 5	Outcome Complete schematic drawings (including floor plans, elevations, millwork, and lighting) meeting all professional standards in the design industry.
Name INTD222 - CLO 6	Outcome Create millwork drawings for custom cabinetry.
Name INTD222 - CLO 7	Outcome Demonstrate an understanding of business and project management.

INTD225 - 3D Architectural CAD

Course Information

Course Number 225
Course Title (long) 3D Architectural CAD
Course Description The student will be presented with a comprehensive course in 3 Dimensional modeling. The student will acquire the skills necessary to create 3D models and 3D graphics. The assignments will focus on multi-discipline applications including architecture and interior design. Students will create objects in 3D as it relates to 3D computer aided design and manufacturing. (Prerequisites: INTD-251 or COMP-129)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[INTD225](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ANY of the following Courses: - INTD251 - CAD for Interior Design - COMP129 - Information Technology

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD225 - CLO 1	Outcome Apply the chosen software to create 3-dimensional detail drawings and models of designed objects.
Name INTD225 - CLO 2	Outcome Demonstrate design intent with rendered illustrative drawings.

INTD245 - Codes and Standards for Interiors

Course Information

Course Number
245

Course Title (long)
Codes and Standards for Interiors

Course Description
The purpose of this course is to introduce students to codes and standards that must be observed in the process of planning interior environments. Students will become aware of the purpose of building codes, process of code adoption, codes agencies, and relevant terminology. Through hands on projects students will research codes and standards requirements and will review plans and drawings for compliance. Students will use codes and standards publications to identify occupancy classification and type, occupancy load and egress requirements. Students will research flammability requirements based on building type and occupancy classification. Students will research plumbing and electrical requirements for both residential and public spaces. Students will become familiar with ADA and accessibility guidelines.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[INTD245](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD245 - CLO 1	Outcome Examine code and standard issues.
Name INTD245 - CLO 2	Outcome Examine code requirements in relation to flammability, plumbing, mechanical, and electrical systems based on occupancy classification, type, load and egress.
Name INTD245 - CLO 3	Outcome Apply appropriate codes, regulations, and standards solutions that pertain to interior environments.

INTD251 - CAD for Interior Design

Course Information

Course Number
251

Course Title (long)
CAD for Interior Design

Course Description
This course provides students with an opportunity to utilize the personal computer to design interior spaces. Students will employ skills developed in Drafting and Graphic Presentation for Interior Design I. Students will be introduced to primary software functions to produce drawings and will use a plotter to produce finished drawings. Students will need to dedicate additional time to work in the lab to complete assignments. Field trips may be required. (Prerequisite: A grade of "C" or higher in INTD 152 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[INTD251](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

INTD152 - Drafting and Graphic Presentation for Interior Design

OR

Criteria 2

OR:

Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD251 - CLO 1	Outcome Produce and plot interior design drawings, suitable for presentation, using AutoCAD software.

Name INTD251 - CLO 2	Outcome Apply Photoshop skills to create rendered presentation drawings.

Name INTD251 - CLO 3	Outcome Utilize laser cutter machine to create 3-D models of interior spaces and cabinetry.

INTD252 - Fundamentals of Construction Documents

Course Information

Course Number

252

Course Title (long)

Fundamentals of Construction Documents

Course Description

This course will introduce students to Building Information Modeling (BIM) software as it relates to Interior Design and Architecture. Students will develop the interior of a structure through a series of exercises designed to help them become familiar with, and develop competency in the BIM software. In this context, the culminating exercise will result in students producing a set of construction documents. (Prerequisites: INTD-152 and INTD-251)

Credit Hours

Min:

3

Billing Hours

Min:

3

School

School of STEAM

Division

Division of Arts, Design,
Science & Technology

Department(s) ~*

Art

Syllabus (Ctrl + click)

[INTD252](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- INTD152 - Drafting and Graphic Presentation for Interior Design
- INTD251 - CAD for Interior Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD252 - CLO 1	Outcome Apply the chosen software to create 2D detail drawings as illustrated in INTD 152 and 251.

Name INTD252 - CLO 2	Outcome Illustrate design intent with a set of rendered illustrative drawings.
Name INTD252 - CLO 3	Outcome Introduce design options for various spaces as part of the semester project.
Name INTD252 - CLO 4	Outcome Produce a final set of construction documents for the semester project.

INTD253 - Interior Design Studio I

Course Information

Course Number 253	Course Title (long) Interior Design Studio I	Course Description The purpose of this course is to introduce the student to contract design. The student will expand the aesthetic and technical skills developed in INTD 151, INTD 152, INTD 153, INTD 155 and INTD 251. Emphasis will be placed on space planning, universal design, codes and specifications. The student will use the internet for product research. Field trip is required. (Prerequisite: A grade of C or higher in INTD-152, INTD-153, INTD-154 INTD-155 and INTD-251. Prerequisite or Corequisite: INTD-245)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[INTD253](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies I Earn a minimum grade of "C" in the following: - INTD152 - Drafting and Graphic Presentation for Interior Design - INTD153 - Drawing Techniques in Digital Media Interior Design II - INTD154 - Introduction to Interior Design Studio - INTD155 - Illustrative Sketching for Interior Environments - INTD251 - CAD for Interior Design
	Career Studies II Complete ALL of the following Courses: INTD245 - Codes and Standards for Interiors
Corequisite Type Corequisite	Career Studies

Enroll in the following Courses:

- INTD245 - Codes and Standards for Interiors

INTD254 - Interior Design Studio II

Course Information

Course Number
254

Course Title (long)
Interior Design Studio II

Course Description
The purpose of this course is to expose students to advanced concepts and problems in the planning of interior environments. Students will further expand their abilities to develop effective space plans, to specify appropriate interior finishes, furnishings and to create presentation materials for the purpose of conveying design concepts. Emphasis will be placed on code compliance and universal design concepts. Additional lab time required. Field trips may be required. (Prerequisites: A grade of "C" or higher in INTD-251 and INTD-253)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[INTD254](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

- Career Studies
- Earn a minimum grade of "C" in the following:
- INTD251 - CAD for Interior Design
 - INTD253 - Interior Design Studio I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD253 - CLO 1	Outcome Develop their ability to define and analyze problems related to the utilization of interior space.
Name INTD253 - CLO 2	Outcome Express their understanding of the following; development of the design program and identification of client/ user needs, adjacencies, ergonomics, anthropometrics, and proxemics, barrier free accessibility and universal design, codes, and commercially rated furnishings and surfacing materials through design drawings and documents.
Name INTD253 - CLO 3	Outcome Identify contract furniture manufacturers and will contact manufacturers for sample materials for presentation boards and product information for specification writing.
Name INTD253 - CLO 4	Outcome Identify a need for information and collect, analyze, organize and evaluate information from a variety of sources.
Name INTD253 - CLO 5	Outcome Synthesize, document and present information.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD254 - CLO 1	Outcome Express their understanding of the first 5 phases of a Design Project as identified by CIDQ: Pre-Design, Programming, Schematic Design, Design Development, Contract Documents.

Name INTD254 - CLO 2	Outcome Produce a hands-on project, including design drawings and documents that will demonstrate programming skills through problem identification, problem solving, identification of client/user needs, and information gathering research and analysis.
Name INTD254 - CLO 3	Outcome Apply their understanding of human behavior in the built environment.
Name INTD254 - CLO 4	Outcome Develop a solution to a semester project that demonstrates an understanding of the following: development of the program, space planning and wayfinding, ergonomics and proxemics, barrier free access and universal design code compliance, and commercial grade furnishings and surface materials.
Name INTD254 - CLO 5	Outcome Identify a need for information and collect, analyze, organize, synthesize and evaluate information from a variety of sources presented in a specification document.
Name INTD254 - CLO 6	Outcome Write specification documents and schedules.

INTD256 - Lighting and Bldg Systems for Interiors

Course Information

Course Number
256

Course Title (long)
Lighting and Bldg Systems for Interiors

Course Description
The purpose of this course is to introduce the student to the technical and aesthetic aspects of lighting, and its use as a visual design element in interior spaces. The student will develop an understanding of light measurement and control. Lighting problems will be explored and solved through the application of formulas and lighting calculations. The student will become familiar with lighting and electrical symbols and utilize them in the creation of reflected ceiling plans. The student will become aware of various building systems including HVAC, plumbing and sprinklers. Field trips may be required. Additional lab time is required. (Prerequisites: A grade of C or higher in INTD-152, INTD-154 and INTD-251)

Credit Hours
Min:
3

Billing Hours		
Min: 3		
School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[INTD256](#)

Course Requirements

Simple Requisites

Prerequisite
Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - INTD152 - Drafting and Graphic Presentation for Interior Design - INTD154 - Introduction to Interior Design Studio - INTD251 - CAD for Interior Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD256 - CLO 1	Outcome Understand the physical (the body) and psychological (the mind) impact of lighting in the build environment.
Name INTD256 - CLO 2	Outcome Understand lighting fundamentals: 3 levels of light, lamps and luminaires, color temperature, CRI, lumens, vision process, reflectance values, daylighting, controls, electricity, and photometry.
Name INTD256 - CLO 3	Outcome Research the requirements, analyze the space and present a successful lighting design concept for a given interior space.
Name INTD256 - CLO 4	Outcome Distinguish fixture specifications and appropriate applications through the use of the industry- standard lighting handbook.
Name INTD256 - CLO 5	Outcome Calculate various lighting formulas to determine possible lighting design solutions.
Name INTD256 - CLO 6	Outcome Observe, review, and evaluate existing lighting designs based on lamps, lumens, CRI, kelvin temperatures, reflectance values, and effects of daylighting. Students will create an observation notebook complete with sketches of their observations.

INTD257 - Textiles & Materials for Interior Design

Course Information

Course Number
257

Course Title (long)
Textiles & Materials for Interior Design

Course Description
The purpose of this course is to introduce and familiarize the student with textiles and the textile industry as it relates specifically to Interior Design. The student will gain knowledge of fiber sources, creation of yarn and various methods of fabric construction. Additionally, students will develop an understanding of dyeing, printing, finishing processes and will be able to identify and classify textiles used by their yarns and weaves. Students will learn the "language" of textiles as used by the design industry and will understand the transformation raw fibers undergo before reaching the end user. Students are required to create and render historical and contemporary textile projects. Students will also research a current topic, such as sustainability or green design and present their research to the class. Field trips may be required. (Prerequisite: A grade of C or higher in INTD 153)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of STEAM	Division Division of Arts, Design, Science & Technology	Department(s) ~* Art

Syllabus (Ctrl + click)
[INTD-257](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: INTD153 - Drawing Techniques in Digital Media Interior Design II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD257 - CLO 1	Outcome Distinguish various textiles and materials used in the Interior Design field.
Name INTD257 - CLO 2	Outcome Create rendered interiors specifying appropriate textiles and materials.
Name INTD257 - CLO 3	Outcome Create and deliver a twenty-minute presentation using research of a material used in the design field.
Name INTD257 - CLO 4	Outcome Create a 3-dimensional model utilizing innovative textiles and materials based on product research.

INTD258 - Trade Information and Portfolio Development

Course Information

Course Number
258

Course Title (long)
Trade Information and Portfolio Development

Course Description
The purpose of this course is to familiarize the student with the business practices of the design industry, expose the student to diverse job opportunities, and to create marketing tools in preparation for entry into the work force. Students will become aware of the type of business formations, documents utilized during the course of a design project, methods of determining fees and basic project management practices. Students will develop their resume, digital portfolio and various marketing tools. Field trips may be required. (Prerequisites: A grade of C or higher in INTD-251 and INTD-253; Prerequisite or Corequisite: INTD-254, INTD-256 and INTD-257)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Syllabus (Ctrl + click)
[INTD258](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - INTD251 - CAD for Interior Design - INTD253 - Interior Design Studio I
Career Studies II Complete ALL of the following Courses: - INTD254 - Interior Design Studio II - INTD256 - Lighting and Bldg Systems for Interiors - INTD257 - Textiles & Materials for Interior Design
Corequisite Type Corequisite
Career Studies

Enroll in the following Courses:

- INTD254 - Interior Design Studio II
- INTD256 - Lighting and Bldg Systems for Interiors
- INTD257 - Textiles & Materials for Interior Design

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name INTD258 - CLO 1A	Outcome Create a professional portfolio demonstrating the following skills and abilities: An understanding of the historical development of architecture, furniture, and interiors.
Name INTD258 - CLO 1B	Outcome Create a professional portfolio demonstrating the following skills and abilities: The application of elements and principles of design.
Name INTD258 - CLO 1C	Outcome Create a professional portfolio demonstrating the following skills and abilities: The creation of interior design drawings using both manual and computer-aided drafting techniques and documents necessary for the completion of a design project.
Name INTD258 - CLO 1D	Outcome Create a professional portfolio demonstrating the following skills and abilities: The appropriate selection of interior finishes and furnishings based on performance criteria and applicable codes and standards.
Name INTD258 - CLO 1E	Outcome Create a professional portfolio demonstrating the following skills and abilities: The appropriate application of codes, regulations, and standards that pertain to interior environments.
Name INTD258 - CLO 2	Outcome Create resume and marketing tools.

INTD295 - Special Project - Interior Design

Course Information

Course Number
295

Course Title (long)
Special Project - Interior Design

Course Description
This course is an independent study project in the field of Interior Design. Students interested in pursuing a particular aspect of Interior Design may develop a proposal, subject to the approval of the Design Department Chair. (Prerequisite(s): Approval of instructor)

Credit Hours

Min:	Max:
1	3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Art

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ALL of the following requirements: Approval of instructor.

INTD299 - Internship - Interior Design

Course Information

Course Number
299

Course Title (long)
Internship - Interior Design

Credit Hours

Min:	Max:
1	3

Department(s) ~*
Art

ITAL101 - Elementary Italian I

Course Information

Course Number
101

Course Title (long)
Elementary Italian I

Course Description
This course is designed for students with no previous or very limited knowledge of the Italian language. Strong emphasis will be placed on acquiring conversational and comprehension skills, using practical and interesting situational materials that will stress both language and culture. Grammatical patterns and syntax will be stressed with the aim that students read and write what they have learned to say and understand. (This course is not open to native Italian speakers or students with more than two years of Italian in high school, except by instructor approval)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[ITAL-101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name ITAL101 - CLO 1	Outcome Understand written and spoken Italian at the Novice-Mid level* (The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name ITAL101 - CLO 2	Outcome Speak Italian at the Novice-Mid level* (The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name ITAL101 - CLO 3	Outcome Write Italian at the Novice-Mid level* (The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name ITAL101 - CLO 4	Outcome Demonstrate basic knowledge of the life and culture of Italy.

ITAL102 - Elementary Italian II

Course Information

Course Number
102

Course Title (long)
Elementary Italian II

Course Description
Students will build upon skills acquired in the first semester course and will be able to express themselves in a variety of more complex situations in Italian.
(Prerequisite: A grade of "C" or higher in ITAL 101 or permission of instructor)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[ITAL-102](#)

Name ITAL102 - CLO 1	Outcome Understand written and spoken Italian at the Novice-High level* (The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name ITAL102 - CLO 2	Outcome Speak Italian at the Novice-High level* (The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name ITAL102 - CLO 3	Outcome Write Italian at the Novice-High level* (The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name ITAL102 - CLO 4	Outcome Demonstrate basic knowledge of the life and culture of Italy.

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

ITAL101 - Elementary Italian I

OR

Criteria 2

OR:

Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

ITAL203 - Intermediate Italian I

Course Information

Course Number
203

Course Title (long)
Intermediate Italian I

Course Description
Students will improve their speaking, listening, reading and writing skills, demonstrating the ability to report on various aspects of life and culture in Italy, using more complex language patterns. (Prerequisite: A grade of "C" or higher in ITAL 102 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- ITAL102 - Elementary Italian II

OR

Criteria 2

OR:

- Permission of instructor.

ITAL204 - Intermediate Italian II

Course Information

Course Number
204

Course Title (long)
Intermediate Italian II

Course Description
Students will demonstrate the ability to speak, read and write Italian. Also, students will discuss and evaluate Italian culture, customs and current events. They will be able to use Italian with native speakers of the language. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in ITAL 203 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- ITAL203 - Intermediate Italian I

OR

Criteria 2

OR:

- Permission of instructor.

JOUR101 - Introduction to Journalism

Course Information

Course Number
101

Course Title (long)
Introduction to Journalism

Course Description
Students learn to develop and evaluate sources of information, to analyze audience needs, to develop a sense of importance, to write concisely and clearly and to background themselves quickly. The course emphasizes clarity and conciseness in writing and examines those techniques in successful writing for both fiction and nonfiction. Students also gain an understanding of what makes news, who decides what becomes news and how media decide what to publish or broadcast. (Prerequisite: ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[JOUR-101](#)

Upon completion of this course, students will be able to:

Name JOUR101 - CLO 1	Outcome Communicate information and ideas clearly and effectively in written form, following journalistic principles.
Name JOUR101 - CLO 2	Outcome Employ the journalistic process and style of writing.
Name JOUR101 - CLO 3	Outcome Develop questioning and critical thinking skills to gather information and determine which facts are essential to the story.
Name JOUR101 - CLO 4	Outcome Develop an awareness of different media and audiences and how they influence their writing.
Name JOUR101 - CLO 5	Outcome Recognize writing as a recursive process, which requires thinking, writing, revising, and editing.

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Writing

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

• Foundational Studies Requirement in Writing

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

JOUR105 - Magazine Writing

Course Information

Course Number
105

Course Title (long)
Magazine Writing

Course Description
Students will receive an overview of magazine journalism and learn about the history and creation of magazines. Students will learn how to research, interview, write and edit stories that would be published in consumer and trade magazines. Within the workshop setting, their work will be examined and critiqued by both the instructor and their peers, acting as the audience of their work. In addition, students will also be exposed to the current magazine industry, ethical issues, how to obtain internships and learn about the various positions and job opportunities available at a magazine. (Prerequisite: ENGL-095 or satisfactory completion of the College's foundational studie requirement in writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[JOUR105](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Writing

Fulfil ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

• [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in writing.

JOUR201 - Journalism II

Course Information

Course Number
201

Course Title (long)
Journalism II

Course Description
Students deepen their knowledge of reference materials, develop their ability to interview and learn the standard sources of news. Students work independently outside of class on various journalism exercises that will teach them to write clearly and concisely. (Prerequisite: JOUR-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[JOUR201](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

• JOUR101 - Introduction to Journalism

Course Learning Outcomes

Students will learn to:

Name JOUR201 - CLO 1	Outcome Communicate information and ideas clearly and effectively following journalistic principles.
Name JOUR201 - CLO 2	Outcome Employ the journalistic process and style of writing.

Name JOUR201 - CLO 3	Outcome Develop questioning and critical thinking skills to gather information and determine which facts are essential to the story.
Name JOUR201 - CLO 4	Outcome Develop an awareness of different media and audiences and how they influence their writing.
Name JOUR201 - CLO 5	Outcome Recognize writing as a recursive process, which requires thinking, writing, revising, and editing.
Name JOUR201 - CLO 6	Outcome Develop a beat, series and multi-story package.

JOUR295 - Special Project - Journalism

Course Information

Course Number
295

Course Title (long)
Special Project - Journalism

Credit Hours

Min: 1	Max: 6

Department(s) ~*
Communication Media

JOUR299 - Journalism Internship

Course Information

Course Number
299

Course Title (long)
Journalism Internship

Course Description
Students may practice journalistic/writing skills in a real-world situation. They may work part time as reporters or editorial assistants for daily or weekly newspapers; as assistants in public relations offices of either private firms or public institutions; in the news departments of broadcast or television stations; or on a magazine staff or for book publishing firms. (Prerequisite: JOUR 101, permission of instructor and Career Services Representative)

Credit Hours

Min: 1	Max: 6

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Communication Media

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ALL of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- JOUR101 - Introduction to Journalism

AND

Criteria 2

AND:

- Permission of instructor and Career Services Representative.

JPNS101 - Elementary Japanese I

Course Information

Course Number
101

Course Title (long)
Elementary Japanese I

Course Description
This course is designed for students with no previous, or very limited knowledge of the Japanese language. Strong emphasis will be placed on acquiring conversational and comprehension skills, using practical and interesting situational materials that will stress both language and culture. The course is presented using both Hiragama and Katakana versions of Japanese. (This course is not open to native Japanese speakers or to students with more than two years of Japanese in high school, except by instructor approval)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[JPNS101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

	Outcome Understand written and spoken Japanese at the Novice-Mid level* (The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name JPNS101 - CLO 1	

	Outcome Speak Japanese at the Novice-Mid level* (The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name JPNS101 - CLO 2	

	Outcome Write Japanese at the Novice-Mid level* (The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name JPNS101 - CLO 3	

Name JPNS101 - CLO 4	Tags Analyze, Identify
Outcome Demonstrate basic knowledge of the life and culture of Japanese.	

JPNS102 - Elementary Japanese II

Course Information

Course Number
102

Course Title (long)
Elementary Japanese II

Course Description
Students will build upon skills acquired in the first semester course and will be able to express themselves in a variety of more complex situations in Japanese.
(Prerequisite: A grade of "C" or higher in JPNS 101)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[JPNS102](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- JPNS101 - Elementary Japanese I

Course Learning Outcomes

A successful JPNS 102 student will be able to:

Name JPNS102 - CLO 1	Outcome Understand written and spoken Japanese at the Novice-High level* - *The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages

Name JPNS102 - CLO 2	Tags Written and Oral Communication (Communication)
Outcome Speak Japanese at the Novice-High level* (Communication) - *The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages	

Name JPNS102 - CLO 3	Tags Written and Oral Communication (Communication)
Outcome Write Japanese at the Novice-High level* (Communication) - *The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages	

Name JPNS102 - CLO 4	Tags Community and Workplace, Critical Thinking
Outcome Demonstrate basic knowledge of the life and culture of Japan (Community and Workplace, Critical Thinking)	

JPNS203 - Intermediate Japanese I

Course Information

Course Number
203

Course Title (long)
Intermediate Japanese I

Course Description
Students will improve their speaking, listening, reading, and writing skills in Japanese, demonstrating the ability to discuss various aspects of life and culture in Japan, using more complex language patterns. Students will use the 2 basic Japanese alphabets and some Kanji (Chinese characters) as well as grammatical patterns. (Prerequisite: Grade of C or better in JPNS 102)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[JPNS203](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
JPNS102 - Elementary Japanese II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name JPNS203 - CLO 1	Outcome Understand written and spoken Japanese at the Intermediate-Low level* - (*The Intermediate-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name JPNS203 - CLO 2	Outcome Speak Japanese at the Intermediate Low level* - (*The Intermediate-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name JPNS203 - CLO 3	Outcome Write Japanese at the Intermediate Low level* - (*The Intermediate-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name JPNS203 - CLO 4	Outcome Demonstrate expanded knowledge of the life and culture of Japan* - (*The Intermediate-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

JPNS204 - Intermediate Japanese II

Course Information

Course Number
204

Course Title (long)
Intermediate Japanese II

Course Description
Students will continue to improve their speaking, listening, reading and writing skills in Japanese, and to discuss and evaluate Japanese culture and customs using increasingly complex language patterns. The will also demonstrate the ability to use Japanese with native speakers of the language. Students will use the 2 basic Japanese alphabets and some Kanji (Chinese characters) as well as grammatical patterns. (Prerequisite: Grade of C or higher in JPNS-203)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[JPNS204](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
JPNS203 - Intermediate Japanese I

LANG295 - Special Project - Modern Language

Course Information

Course Number
295

Course Title (long)
Special Project - Modern Language

Course Description
(Prerequisite: Permission of instructor)

Credit Hours
Min:
1

Max:
6

Department(s) ~*
Languages/ESL

LEGL105 - Introduction to Law

Course Information

Course Number
105

Course Title (long)
Introduction to Law

Course Description
This course is designed to give an overview of the law, court systems and rules of legal procedure. It also covers ethical and professional responsibilities and tasks essential to the roles of the participants in the legal process, with emphasis on the role of the paralegal and the lawyer, in various types of legal settings.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Legal Studies

LEGL106 - Legal Research and Writing

Course Information

Course Number
106

Course Title (long)
Legal Research and Writing

Course Description
This course is an introduction to legal research and writing. The course will provide a working knowledge of and an understanding of legal research materials, tools and methods. Students will learn to develop research and writing strategies, and will learn to research and write case briefs, legal briefs and legal memoranda. The course will provide the student with the knowledge and skills needed to create basic legal research strategies, perform the necessary research and communicate their findings in the proper written format. (Prerequisites or Corequisites: ENGL-121 and PLGL-105)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: LEGL105 - Introduction to Law OR
General Education Complete ALL of the following Courses: ENGL121 - English Composition:The Writing Process

Corequisite Type Corequisite Career Studies Enroll in the following Courses: LEGL105 - Introduction to Law OR
General Education

Enroll in the following Courses:

- ENGL121 - English Composition:The Writing Process

LEGL125 - Real Property Transactions

Course Information

Course Number
125

Course Title (long)
Real Property Transactions

Course Description
This course is an introduction to Real Estate Law. Topics of study include property rights, principles of land ownership, sale, financing, conveyance, contracts, liens, mortgage financing, deeds, recording, settlement concepts and other property concepts. Upon completion of the course, the student will have achieved a survey of basic real estate law concepts to provide a fundamental understanding of real estate law that is necessary to proceed with real estate practice as a paralegal, and will be able to draft real estate documents from the inception of the real estate transaction to its closing. NOTE: This course is offered only in the Fall term. (Prerequisite or Corequisite: PLGL-105)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: LEGL105 - Introduction to Law OR

Corequisite Type Corequisite Career Studies Enroll in the following Courses: LEGL105 - Introduction to Law OR

LEGL126 - Constitutional Law

Course Information

Course Number
126

Course Title (long)
Constitutional Law

Course Description
This course is designed to give an overview of the U.S. Constitution and Constitutional Law, which is essential to the role of the paralegal in understanding the law and in assisting the attorney in many legal matters. NOTE: This course is offered only in the Fall term.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Legal Studies

LEGL135 - Family Law

Course Information

Course Number
135

Course Title (long)
Family Law

Course Description
The purpose of the Family Law Course is to give legal assistants an understanding of domestic relations law. Students will learn how the laws governing family situations are applied. The content of the course covers dissolution, child custody, child support, alimony, property settlement agreements, orders to show cause, domestic violence and adoption. The students will be able to define and differentiate between the various grounds for divorce and annulment, and they will be able to prepare all forms and pleadings necessary for divorce, and annulment proceedings. This course is designed to give an overview of the law, rules of procedure, ethical and professional responsibilities and tasks essential to the role of the paralegal in assisting the attorney in the family law litigation process. NOTE: This course is offered only in the Fall term. (Prerequisite or Corequisite: PLGL-105)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: LEGL105 - Introduction to Law OR
Corequisite Type Corequisite Career Studies Enroll in the following Courses: LEGL105 - Introduction to Law OR

LEGL145 - Legal Ethics Legal Assistants

Course Information

Course Number
145

Course Title (long)
Legal Ethics Legal Assistants

Course Description
Students will learn professional responsibilities, and they will have a knowledge of the ethical ramifications of their conduct and work as a legal assistant. Course curriculum includes units on the New Jersey Rules of Professional Conduct, the ABA Model Code, the NALA Code of Ethics, etc. (Prerequisite or Corequisite: PLGL-105)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- LEGL105 - Introduction to Law

OR

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- LEGL105 - Introduction to Law

OR

LEGL205 - Civil Litigation and Trial Practice

Course Information

Course Number
205

Course Title (long)
Civil Litigation and Trial Practice

Course Description
The purpose of this course is to train paralegals/ legal assistants to perform, under the direction and supervision of a lawyer, civil litigation support work, which for the most part requires sufficient knowledge of legal concepts and which, absent the paralegal or legal assistant, would be performed by a lawyer. It is not intended to be a course which teaches individuals to litigate their own cases or assist others in litigation, absent the supervision of a lawyer. A paralegal/ legal assistant may not engage in the practice of law by accepting cases, giving legal advice, appearing in court, setting fees, etc. Engaging in the unauthorized practice of law is a crime in the State of New Jersey. This course is designed to give an overview of the law, rules of procedure, ethical and professional responsibilities, and tasks essential to the role of the paralegal in assisting the attorney and the client in the civil litigation process. NOTE: This course is offered only in the Spring term. (Prerequisite: PLGL-105 or instructor's approval)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- LEGL105 - Introduction to Law

OR

OR

Criteria 2

OR:

- Instructor's approval.

LEGL206 - Torts

Course Information

Course Number

206

Course Title (long)

Torts

Course Description

This course is designed to give an overview of Tort law in the traditional areas of Intentional, Negligent and Strict Liability Torts, and commonly employed defenses. It also provides an introduction to ethical and professional responsibilities, and tasks essential to the role of the paralegal in assisting the attorney in the civil litigation process arising out of a cause of action in Tort. NOTE: This course is offered only in the Spring term. (Prerequisite: PLGL-105 or instructor's approval)

Credit Hours

Min:

3

Billing Hours

Min:

3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Fulfill ANY of the following requirements:
Criteria 1 Complete ALL of the following Courses: LEGL105 - Introduction to Law OR
OR
Criteria 2 OR: Instructor's approval.

LEGL210 - Computer Applications in Law

Course Information

Course Number

210

Course Title (long)

Computer Applications in Law

Course Description

This course is designed to familiarize paralegals with the various use of computers and technology in a law office. This includes: 1)computerized legal and factual research using online for fee services (Westlaw and/or Lexis), CD ROM products and Internet resources; 2)software applications in document preparation, file management and law office management; 3)word processing; 4)electronic filing of litigation documents; 5)email; and 6)other law office technology such as fax machines, scanners, etc. (Prerequisites: PLGL-105 and PLGL-106)

Credit Hours

Min:

3

Billing Hours

Min:

3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - LEGL105 - Introduction to Law OR - LEGL106 - Legal Research and Writing OR

LEGL215 - Criminal Procedure

Course Information

Course Number
215

Course Title (long)
Criminal Procedure

Course Description
The purpose of this course is to train paralegals/ legal assistants to perform, under the direction and supervision of a lawyer, criminal litigation support work, which, absent the paralegal or legal assistant, would be performed by a lawyer. The course is designed to give an overview of the law, rules of procedure, ethical and professional responsibilities, and tasks essential to the role of the paralegal in assisting the attorney and the client in the criminal litigation process. NOTE: This course is offered only in the Spring term. (Prerequisite: PLGL-105 or instructor's approval)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- LEGL105 - Introduction to Law

OR

_____ **OR** _____

Criteria 2

OR:

- Instructor's approval.

LEGL221 - Business Law I

Course Information

Course Number
221

Course Title (long)
Business Law I

Course Description
The student will identify, define and describe contracts, agency, employment, wills, bailment, personal and real property.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Business Management

LEGL222 - Business Law II

Course Information

Course Number
222

Course Title (long)
Business Law II

Course Description
The student will identify, define and describe sales, security devices, partnerships, corporations, commercial paper and bankruptcy.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Business Management

LEGL225 - Wills, Estates and Probate

Course Information

Course Number
225

Course Title (long)
Wills, Estates and Probate

Course Description
This course is designed to give an overview of the law, rules of procedure, ethical and professional responsibilities and tasks essential to the role of the paralegal in assisting the attorney in the wills, estates and probate process. Students will be able to draft wills, and living wills following applicable laws and procedures, and complete federal estate, gift tax and state inheritance tax returns. They will be able to set up various trusts and follow procedures for obtaining life insurance benefits. (Prerequisite: PLGL-105 or instructor's approval)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

LEGL105 - Introduction to Law

OR

OR

Criteria 2

OR:

Instructor's approval.

LEGL226 - Corporate Law Procedure

Course Information

Course Number
226

Course Title (long)
Corporate Law Procedure

Course Description
This course is designed to give an overview of the law, ethical and professional responsibilities, and tasks essential to the role of the paralegal in assisting the attorney, and the client in the formation, operation and dissolution of the following types of business entities: sole proprietorships, general partnerships, limited partnerships, limited liability partnerships (LLP's), limited liability companies(LLC's), "C" Corporations and "S" Corporations. NOTE: This course is offered only in the Fall term. (Prerequisite: PLGL-105 or instructor's approval)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

LEGL105 - Introduction to Law

OR

OR

Criteria 2

OR:

Instructor's approval.

LEGL235 - Entertainment Law I

Course Information

Course Number
235

Course Title (long)
Entertainment Law I

Course Description
This course deals with entertainment law with particular attention devoted to the music and recording industry and contract law. It looks at the role of the artist, manager, attorney and others involved in this area. NOTE: This course is offered only in the Summer term.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Legal Studies

LEGL237 - Elder Law

Course Information

Course Number
237

Course Title (long)
Elder Law

Course Description
The purpose of this course is to train paralegals/legal assistants to perform, under the direction and supervision of a lawyer, "Elder Law" support work, which for the most part requires sufficient knowledge of legal concepts and which, absent the paralegal or legal assistant, would be performed by a lawyer. It is not intended to be a course which teaches individuals to plan or handle their own affairs involving "Elder Law" issues, or to assist others in planning or handling their affairs in these matters. It is not designed to teach document preparation in the absence of a supervising lawyer. A paralegal/legal assistant may not engage in the practice of law by accepting cases, giving legal advice, appearing in court, setting fees, etc. Engaging in the unauthorized practice of law is a criminal offense in the State of New Jersey. This course is designed to give an overview of the law, rules of procedure, ethical and professional responsibilities, and tasks essential to the role of the paralegal in assisting the attorney in matters relating to what has become known as "Elder Law." NOTE: This course is offered only in the Spring term. (Prerequisites: PLGL-105 and PLGL-225 or instructor's approval)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Courses:
LEGL105 - Introduction to Law OR
LEGL225 - Wills, Estates and Probate OR
OR
Criteria 2

OR:

- Instructor's approval.

LEGL295 - Special Project - Paralegal Studies

Course Information

Course Number
295

Course Title (long)
Special Project - Paralegal Studies

Course Description
Students will work independently on legal problems not suitable to one of the other Paralegal Studies courses. A written report will be submitted, with the extent and quality of the project and report to be previously agreed upon by the instructor and the student. (Prerequisites: 15 credits of Paralegal course work including PLGL-106)

Credit Hours

Min:	Max:
1	4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

Criteria 1

- 15 credits of Paralegal course work including PLGL-106.

AND

Criteria 2

Complete ALL of the following Courses:

- LEGL106 - Legal Research and Writing

OR

LEGL299 - Paralegal Internship

Course Information

Course Number
299

Course Title (long)
Paralegal Internship

Course Description
Students will serve for a specified number of hours in actual paralegal employment and submit an internship log of the experience. (Prerequisites: 30 credits to include 16 credits of the required career studies courses: PLGL-105, PLGL-106, PLGL-145, PLGL-205 and PLGL-210. A grade of "C" or higher is required in each career study course. Approval of Program Director and Career Services Representative)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Legal Studies

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

Criteria 1

- 30 credits to include 16 credits of the required career studies courses.

AND

Criteria 2

Earn a minimum grade of "C" in the following:

- LEGL105 - Introduction to Law

OR

- LEGL106 - Legal Research and Writing

OR

- LEGL145 - Legal Ethics Legal Assistants

OR

- LEGL205 - Civil Litigation and Trial Practice

OR

- PLGL205 - Civil Litigation and Trial Practice

OR

- LEGL210 - Computer Applications in Law

OR

561 / 779

AND	
Criteria 3	Approval of Program Director and Career Services Representative.

MATH011 - Prealgebra, Part I

Course Information

Course Number	011
Course Title (long)	Prealgebra, Part I
Course Description	This course is the first half of the content of MATH 015 (the second half is covered by MATH 012). The MATH 011-012 sequence prepares students for elementary algebra. In MATH 011, operations with whole numbers, integers, and fractions are reinforced through application problems. Other topics include organizing and reading data in tables and graphs, formulas, practical geometry, evaluating algebraic expressions, absolute value, and solving simple algebraic equations. This is a developmental course in the basic skills and will not be counted towards degree requirements. NOTE: Students taking MATH 011 may not enroll simultaneously in any other math course.(Prerequisite: None; placement is based on scores on the college placement test)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics
Syllabus (Ctrl + click) MATH011		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH011 - CLO 1	Outcome Demonstrate the mathematical skills appropriate to this course.
Name MATH011 - CLO 2	Outcome Analyze and solve application problems.
Name MATH011 - CLO 3	Outcome Interpret solutions in the context of the situation.

MATH012 - Prealgebra, Part II

Course Information

Course Number
012

Course Title (long)
Prealgebra, Part II

Course Description
This course is the second half of the content of MATH 015 (the first half is covered by MATH 011). The MATH 011-012 sequence prepares students for elementary algebra. MATH 012 begins with a brief review of integers and fractions, which were covered in MATH 011. This course covers decimals and real numbers, graphing in the coordinate plane, percents, ratios and rates, proportions, measurement, and some topics in geometry. This is a developmental course and will not be counted towards degree requirements. NOTE: Students taking MATH 012 may not enroll simultaneously in any other math course. (Prerequisites: MATH 011)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics

Syllabus (Ctrl + click)
[MATH012](#)

Course Requirements

Simple Requisites

Prerequisite
Type Prerequisite
Career Studies Complete ALL of the following Courses: MATH011 - Prealgebra, Part I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
MATH012 - CLO 1	Demonstrate the mathematical skills appropriate to this course.

Name	Outcome
MATH012 - CLO 2	Analyze and solve application problems.
Name	Outcome
MATH012 - CLO 3	Interpret solutions in the context of the situation.

MATH015 - Prealgebra

Course Information

Course Number
015

Course Title (long)
Prealgebra

Course Description
This course prepares students for elementary algebra. Operations with whole numbers, fractions, decimals, and integers are reinforced through application problems. Other topics include organizing data in tables and graphs, formulas, ratio and proportion, percent, practical geometry, evaluating algebraic expressions, graphing in the rectangular coordinate system, making input/output tables, absolute value, measurement conversion between American and metric units, and solving simple algebraic equations. This is a developmental course and will not be counted towards degree requirements. NOTE: Students taking MATH 015 may not enroll simultaneously in any other math course.(Prerequisites: None; placement is based on scores on the college placement test.)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics

Syllabus (Ctrl + click)
[MATH015](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
MATH015 - CLO 1	Demonstrate the mathematical skills appropriate to this course.
Name	Outcome
MATH015 - CLO 2	Analyze and solve application problems.
Name	Outcome
MATH015 - CLO 3	Interpret solutions in the context of the situation.

MATH021 - Introductory Algebra

Course Information

Course Number
021

Course Title (long)
Introductory Algebra

Course Description
This course is an introduction to the concepts and methods of algebra. Numerical, graphical, and symbolic tools and techniques are used to apply algebra to real-world situations. Topics include creating and translating algebraic expressions, solving linear equations, inequalities and formulas, graphing and writing linear functions, solving linear systems, solving quadratic, rational, cubic and radical equations, and simplifying polynomial and radical expressions. Applications are included throughout the course. This is a developmental course in the basic skills and will not be counted towards degree requirements. NOTE: Students taking MATH 021 may not enroll simultaneously in any other math course. (Prerequisites: MATH-015 or MATH-012 or satisfactory completion of the College's foundational studies requirement in computation)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics

Syllabus (Ctrl + click)
[MATH021](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Foundational Studies Requirement in Computation
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Computation
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in computation.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH021 - CLO 1	Outcome Demonstrate the mathematical skills appropriate to this course.
Name MATH021 - CLO 2	Outcome Use algebraic variables, expressions, and equations to analyze and solve application problems.
Name MATH021 - CLO 3	Outcome Explain how a linear function relates to a problem situation.
Name MATH021 - CLO 4	Outcome Interpret solutions in the context of the situation.

MATH025 - Elementary Algebra

Course Information

Course Number 025
Course Title (long) Elementary Algebra
Course Description This course is a review of elementary algebra and requires previous experience in algebra. The course is intended for students who need to take Intermediate Algebra, MATH-151. The topics in MATH-025 include linear, quadratic, polynomial, exponential, rational, and radical expressions; factoring; linear, quadratic, rational and radical equations; linear inequalities; linear systems; and graphing linear and quadratic equations. Problem solving is stressed throughout the course. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. A graphing calculator is required - the specific model is determined by the department. This is a developmental course in the Basic Skills and will not be counted towards degree requirements. NOTE: Students taking MATH-025 may not enroll simultaneously in any other math course. (Prerequisite: MATH-015 or MATH-012, or satisfactory completion of the college's foundational studies requirement in computation)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH025](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Computation
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Computation
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in computation.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH025 - CLO 1	Outcome Demonstrate the mathematical skills appropriate to this course.
Name MATH025 - CLO 2	Outcome Use math skills necessary for college level algebra courses.
Name MATH025 - CLO 3	Outcome Use algebraic variables, expressions, and equations to analyze and solve application problems.
Name MATH025 - CLO 4	Outcome Interpret problem solutions in the context of the situation.

MATH131 - Statistics

Course Information

Course Number 131
Course Title (long) Statistics
Course Description This course begins with descriptive statistics, including graphical representations of data and measures of central tendency, position and variation. Basic probability concepts lead to the study of the binomial and normal probability distributions. The course continues with the Central Limit Theorem and its use in the development of estimation through confidence intervals and hypothesis testing. The course concludes with Chi Square tests and linear correlation and regression. Computer software will be used in class to gain a greater understanding of underlying concepts. (Prerequisite: MATH-021 or MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Mathematics (M)

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH131](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Algebra
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Algebra
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in algebra.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH131 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Demonstrate the mathematical/ statistical skills appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH131 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Analyze and solve real world problems using statistical concepts, theories and following General Education skills. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH131 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Communicate solutions to problems using appropriate statistical language and tools. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH131 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use statistical software and calculators to explore concepts and/or solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH132 - Intro to Data Science & Applied Stats

Course Information

Course Number
132

Course Title (long)
Intro to Data Science & Applied Stats

Course Description
This course begins by introducing data science with an overview of current trends in data science, the history of R, how to install R, and an introduction to R programming. Data structure concepts include exploring data visualization with numerical and categorical data, data transformation, and importing data. The course continues with exploring data analysis including variation, missing values, covariation, patterns, and models. This course concludes with statistical inferences including linear regression with simple/multiple predictors, confidence intervals, hypothesis testing, inference for single mean/proportion, comparing paired means/proportions, many means with ANOVA and machine learning. (Prerequisite: MATH131 or ECON225)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics

Syllabus (Ctrl + click)
[MATH-132 Syllabus](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Complete ANY of the following Courses:
- MATH131 - Statistics - ECON225 - Business Statistics

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH132 - CLO 1	Outcome Demonstrate statistical and computer skills (R language) appropriate to this course.
Name MATH132 - CLO 2	Outcome Analyze real world data sets by using statistical concepts, theories, skills, and R language.
Name MATH132 - CLO 3	Outcome Understand data structure, data visualization, data analysis, and use statistical inferences to complete course projects and interpret results.

MATH136 - Mathematics for the Liberal Arts

Course Information

Course Number 136
Course Title (long) Mathematics for the Liberal Arts
Course Description This is a mathematics survey course that covers sets, logic, and two topics chosen from probability, numeration systems, geometry, consumer mathematics, and graph theory. (Prerequisite: MATH-021 or MATH-025, or satisfactory completion of the college's foundational studies requirement in algebra)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH136](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Algebra
Fulfill ANY of the following requirements:
Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Algebra
OR
Criteria 2 OR: Satisfactory completion of the college's foundational studies requirement in algebra.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH136 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Demonstrate the mathematical skills appropriate to this course, based on the topics covered. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH136 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Analyze and solve application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH136 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Explain how mathematical knowledge can be used in an applied situation and interpret solutions in the context of the situation. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH136 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Examine the diverse mathematical underpinnings of various real-world situations. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH136 - CLO 5	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use technology to solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH145 - Algebraic Modeling

Course Information

Course Number 145	Course Title (long) Algebraic Modeling	Course Description This course is an intermediate algebra course in which examples are drawn from real life and skills are learned in the context of these applications. Topics include functions and their properties and associated algebraic skills, and modeling using linear, exponential, logarithmic, quadratic, rational, and radical functions. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. A graphing calculator is required - the specific model is determined by the department. The course may be used as a prerequisite for MATH-146 and MATH-156 but NOT MATH-152 or MATH-153. (Prerequisites: MATH-021 or MATH-022 or MATH-025 or satisfactory completion of the College's foundational studies requirement in algebra)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies Mathematics (M)	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH145](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Foundational Studies Requirement in Algebra. Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Algebra OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in algebra.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH145 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Identify and distinguish among the following functions: linear, exponential, quadratic, rational, and radical by interpreting graphical, symbolic, numerical and/or verbal representations. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH145 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Demonstrate the mathematical skills appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH145 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use the appropriate function model to analyze and solve application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH145 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use technology to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH145 - CLO 5	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Explain how a function model relates to an applied situation and interpret problem solutions in the context of the situation. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH151 - Intermediate Algebra

Course Information

Course Number 151
Course Title (long) Intermediate Algebra
Course Description This course prepares students for courses that require algebraic skills beyond those taught in Elementary Algebra. Topics include equations, inequalities, linear systems in two and three variables, complex numbers, and applications of functions: linear, exponential, logarithmic, quadratic, polynomial, rational, and radical. In addition, the course provides a basic introduction to right triangle trigonometry. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. A graphing calculator is required; the specific model is determined by the department. (Prerequisite: MATH-022 or MATH-025 or satisfactory completion of the college's foundational studies requirement in algebra)

Credit Hours

Min: 4

Billing Hours

Min: 4

General Education Competencies

Mathematics (M)		
School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics

Syllabus (Ctrl + click) MATH-151 Syllabus

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Algebra Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Algebra OR Criteria 2

OR:
Course Learning Outcomes
Upon completion of this course, students will be able to:

Name	Tags
MATH151 - CLO 1	Quantitative Knowledge and Skills (Mathematics)
Outcome	
Demonstrate the mathematical skills appropriate to this course. (M)	

Name
MATH151 - CLO 2

Name
MATH151 - CLO 3

Name
MATH151 - CLO 4

Name
MATH151 - CLO 5

MATH152 - College Algebra & Trigonometry

Course Information

Course Number
152

Course Title (long)
College Algebra & Trigonometry

Course Description
This course, followed by MATH 153, prepares students for the study of calculus. Topics include functions and function notation, rate of change and linear functions, quadratic functions, power functions, and polynomial functions, transformations of functions, a review of right triangle trigonometry, graphing trigonometric functions, trigonometric functions through the unit circle, some basic trigonometric identities, applications leading to sinusoidal graphs, and inverse trigonometric functions. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. A graphing calculator is required; the specific model is determined by the Mathematics Department. (Prerequisites: a grade of "C" or higher in MATH-151 or equivalent)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Mathematics (M)

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics

Syllabus (Ctrl + click)
[MATH-152 Syllabus](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Earn a minimum grade of "C" in the following:
MATH151 - Intermediate Algebra
OR
Criteria 2
OR:
Equivalent.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH152 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Demonstrate the mathematical skills appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH152 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Identify characteristics of and distinguish among the following functions: linear, quadratic, polynomial, and the six trigonometric by interpreting verbal, graphical, numerical, and symbolic representations. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH152 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use the appropriate function model to analyze and solve application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH152 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Interpret solutions in the context of the problem. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH152 - CLO 5	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use a graphing calculator to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH153 - Pre-Calculus Mathematics

Course Information

Course Number 153
Course Title (long) Pre-Calculus Mathematics
Course Description This course, preceded by MATH 152, prepares students for the study of calculus. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. The topics require students to exhibit critical thinking skills as they analyze a variety of problems, create functions from a problem situation, and solve optimization problems using those functions. Trigonometric identities are used as tools for rewriting trigonometric expressions. Types of functions studied include rational, exponential, and logarithmic. Students use their calculators and their understanding of the behavior of functions to perform regression analysis on data sets, including exponential and power functions. Parametric equations are introduced and used to define circles. Conic sections are also introduced. A graphing calculator is required; the specific model is determined by the Mathematics Department. (Prerequisites: A grade of "C" or higher in MATH-152 or equivalent)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Mathematics (M)

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH-153 Syllabus](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Earn a minimum grade of "C" in the following: MATH152 - College Algebra & Trigonometry
OR
Criteria 2

OR:

- Equivalent.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH153 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Demonstrate the mathematical skills appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH153 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Identify and distinguish among the following functions: linear, exponential, logarithmic, quadratic, power, polynomial, rational, piecewise, and trigonometric and their transformations and inverses by interpreting verbal, graphical, numerical, and symbolic representations. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH153 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use the appropriate function model to analyze and solve application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH153 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Interpret solutions in the context of the problem. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH153 - CLO 5	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use a graphing calculator to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH156 - Mathematics for Management and the Social Sciences

Course Information

Course Number
156

Course Title (long)
Mathematics for Management and the Social Sciences

Course Description
This course prepares students for a college level business calculus course. Functions and their graphs are studied, including polynomial, rational, exponential, and logarithmic functions. Topics also include systems of linear equations, matrix algebra, linear programming (graphical solution and simplex method) and the mathematics of finance. All topics include applications in the management, life and social sciences. Computer software will be used in class to gain a greater understanding of underlying concepts. (Prerequisite: A grade of C or higher in MATH-145 or MATH-151) This course is recommended for Business majors.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Mathematics (M)

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH156](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- MATH145 - Algebraic Modeling

OR MATH151 - Intermediate Algebra

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH156 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Demonstrate the mathematical skills appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH156 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Identify and distinguish the properties and graphs of the following functions: linear, quadratic, power, polynomial, rational, exponential, and logarithmic. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH156 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Analyze and solve business application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH156 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Write and interpret solutions using vocabulary consistent with business applications. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH156 - CLO 5	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use computer software to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH171 - Calculus I

Course Information

Course Number
171

Course Title (long)
Calculus I

Course Description
This is a first semester scientific calculus course and the topics include limits, continuity, derivatives and their applications, and integrals, including the Fundamental Theorems. Algebraic, trigonometric, inverse trigonometric, exponential, and logarithmic functions will be studied. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. Computer software will be used extensively in class to gain a greater understanding of concepts as well as to consider non-routine problems. (Prerequisite: A grade of "C" or higher in MATH-153 or equivalent)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Mathematics (M)

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH171](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Fulfill ANY of the following requirements: Criteria 1 Earn a minimum grade of "C" in the following: - MATH153 - Pre-Calculus Mathematics OR Criteria 2 OR: - Equivalent.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH171 - CLO 1
Name MATH171 - CLO 2
Name MATH171 - CLO 3
Name MATH171 - CLO 4
Name MATH171 - CLO 5

MATH172 - Calculus II

Course Information

Course Number 172
Course Title (long) Calculus II
Course Description This course is a continuation of MATH-171, Calculus I. Topics include applications of the definite integral, such as area, volume, arc length, and average value, techniques of integration with emphasis on substitution and integration by parts, approximate integration and error formulas, infinite sequences and series, power series, and Taylor series. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. Computer software will be used extensively in class to gain a greater understanding of concepts as well as to consider non-routine problems.(Prerequisite: A grade of "C" or higher in MATH-171)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies		
Mathematics (M)		
School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics

Syllabus (Ctrl + click)
MATH172

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Earn a minimum grade of "C" in the following: MATH171 - Calculus I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH172 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)

Outcome Demonstrate the algebraic and calculus skills related to integration. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH172 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Understand and explain the concept of the definite integral in a variety of situations. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH172 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use integral calculus to solve application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH172 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use computer software to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH176 - Calculus With Business Applications

Course Information

Course Number
176

Course Title (long)
Calculus With Business Applications

Course Description
This course covers differential and integral calculus with applications in business, economics, and the life sciences. Topics include functions and their graphs, constructing mathematical models, the derivative and its applications, the integral and its applications and exponential and logarithmic functions. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic through the use of computer software in class. (Prerequisite: A grade of "C" or higher in MATH- 156) This course is recommended for Business majors.

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Mathematics (M)

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH176](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: MATH156 - Mathematics for Management and the Social Sciences

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH176 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)

Outcome Demonstrate the mathematical skills appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH176 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Apply the concepts, techniques and tools of calculus to the solutions of application problems in the fields of business and economics. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH176 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use language consistent with current business and economic practices to interpret and report solutions in the context of the problem. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH176 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use computer software to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH226 - Discrete Mathematics

Course Information

Course Number 226
Course Title (long) Discrete Mathematics
Course Description This course is intended for students of mathematics or computer science. The course examines the theoretical and applied mathematical foundations for the discipline of computer science. Topics include sets, logic, methods of proof, functions, number theory, counting techniques, discrete probability, graphs and trees, relations, and Boolean functions. Mathematical reasoning and proofs will be stressed. Applications are drawn from the field of computer science. A prior programming course, while recommended, is not necessary. NOTE: This course is offered only in the Spring and Summer II term. (Prerequisite: A grade of "C" or higher in MATH-172)

Credit Hours

Min: 4

Billing Hours

Min: 4

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics
Syllabus (Ctrl + click) MATH-226 Syllabus		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: MATH172 - Calculus II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH226 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)

Outcome Demonstrate the mathematical skills appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH226 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Model and solve application problems appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH226 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Construct a logical proof. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH273 - Calculus III

Course Information

Course Number 273
Course Title (long) Calculus III
Course Description This course, a continuation of MATH-172, Calculus II, completes the study of elementary calculus. Topics include polar equations, vectors and vector-valued functions, surfaces in space and functions of several variables, partial derivatives and multiple integrals, and topics from vector analysis. Applications will be considered throughout the course. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. Computer software will be used extensively in class to gain a greater understanding of concepts as well as to consider non-routine problems. (Prerequisite: A grade of "C" or higher in MATH-172)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Mathematics (M)

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH273](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: MATH172 - Calculus II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH273 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)

Outcome	Justification
Demonstrate the mathematical skills related to polar coordinates, vectors, vector-valued functions, and functions of two variables. (M)	Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH273 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Extend the skills of single-variable calculus to multi-dimensional functions. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH273 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Analyze and solve application problems related to vectors and to multi-dimensional calculus. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH273 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Explain the analysis and solution of application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH273 - CLO 5	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use computer software to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH274 - Elementary Differential Equations

Course Information

Course Number 274
Course Title (long) Elementary Differential Equations
Course Description This is an introductory course in concepts and applications of differential equations. Topics include classical methods of solving first- and higher-order differential equations, mathematical models for phenomena such as growth and decay, chemical reactions, motion of a body, spring-mass systems and electric circuits, qualitative and numerical aspects of differential equations, and systems of differential equations. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic. Computer software will be used extensively in class to gain a greater understanding of concepts as well as to consider non-routine problems. NOTE: This course is offered in the Fall, Spring and Summer II terms. (Prerequisite or Corequisite: MATH-273)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies

Mathematics (M)		
School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH274](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Complete ALL of the following Courses: MATH273 - Calculus III
Corequisite Type Corequisite	Career Studies Enroll in the following Courses: MATH273 - Calculus III

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH274 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use algebra and calculus skills to solve ordinary differential equations. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH274 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use the appropriate differential equation to model, analyze and solve application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH274 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Explain the analysis and solution of application problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH274 - CLO 4	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use computer software to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH285 - Linear Algebra

Course Information

Course Number 285	Course Title (long) Linear Algebra
Course Description This is an introductory course in concepts and applications of linear algebra. Topics include solutions of systems of linear equation using matrices and determinants, vector spaces, linear transformations, eigenvalues and eigenvectors, and the problem of diagonalizing a square matrix. Applications, including Markov chains, the least squares fit problem, and polynomial interpolation, are included throughout the course. Problems are approached from a variety of perspectives, including graphical, numerical, verbal, and algebraic through the use of computer software in class. NOTE: This course is offered only in the Fall and Summer II term. (Prerequisite: A grade of "C" or higher in MATH-171)	

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Mathematics (M)

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Syllabus (Ctrl + click)
[MATH-285](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: MATH171 - Calculus I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MATH285 - CLO 1	Tags Quantitative Knowledge and Skills (Mathematics)

Outcome Demonstrate the mathematical skills appropriate to this course. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH285 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Prove properties and theorems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

Name MATH285 - CLO 3	Tags Quantitative Knowledge and Skills (Mathematics)
Outcome Use computer software to understand concepts and to explore and solve problems. (M)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: (M) Mathematics

MATH295 - Special Project - Mathematics

Course Information

Course Number 295	Course Title (long) Special Project - Mathematics	Course Description MATH-295 is a course designed for students who wish to study an advanced topic in mathematics not included in one of our currently offered courses. Topics may be in a variety of areas, including fractal geometry, statistics and probability theory, abstract algebra and others. Before registering for the course the student must obtain a faculty advisor who will develop and submit a detailed program of study for the student. (Prerequisite: A grade of "C" or better in MATH-172)

Credit Hours

Min: 1	Max: 3	School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Mathematics

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Earn a minimum grade of "C" in the following: MATH172 - Calculus II

MATH299 - Mathematics Internship

Course Information

Course Number
299

Course Title (long)
Mathematics Internship

Course Description
This course will allow the student to gain practical work experience by participating in a mathematics career-related position with an approved company or institution. The course includes a service learning component. (Prerequisites: 12 credits in college level mathematics courses and matriculation as a STEM major, permission of instructor and Career Services Representative. Students in the Data Science Option, must have met the following requirements: (1) completed MATH 132 (2) an approved professional resume by MATH/Computer Science faculty (3) meet with Data Science coordinator(s) or Career Services Representative.)

Credit Hours

Min:	Max:
1	4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Mathematics

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Students in STEM Major

Fulfill ALL of the following requirements:

Criteria 1

- 12 credits in college level mathematics courses and matriculation as a STEM major.

AND

Criteria 2

AND:

- Permission of instructor and Career Services Representative.

Students in the Data Science Option

Fulfill ALL of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- MATH132 - Intro to Data Science & Applied Stats

AND

Criteria 2

AND:

- An approved professional resume by MATH/Computer Science faculty.

AND

Criteria 3

AND:

- Meet with Data Science coordinator(s) or Career Services Representative.

MDLT151 - Clinical Microbiology I

Course Information

Course Number
151

Course Title (long)
Clinical Microbiology I

Course Description
This course introduces basic principles in the isolation and identification of clinically significant organisms. The student will study clinically significant human pathogens, including the identification and proper treatment of specimens and principles of isolation. This course will teach the student to identify specific common organisms with a focus on susceptibility testing, anti-microbials and infection control. The student will become proficient in pre-analytical variables such as collection and handling of specimens and the selection of differential and selective media. (Prerequisites: BIOL-112, BIOL-213, CHEM-136, MATH-131; Corequisites: MDLT-152, MDLT-153, MDLT-154)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- BIOL112 - Anatomy and Physiology II
- BIOL213 - Microbiology
- CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
- MATH131 - Statistics

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- MDLT152 - Clinical Hematology I and Phlebotomy
- MDLT153 - Clinical Chemistry I
- MDLT154 - Immunohematology I

MDLT152 - Clinical Hematology I and Phlebotomy

Course Information

Course Number
152

Course Title (long)
Clinical Hematology I and Phlebotomy

Course Description
In this course, the student will become familiar with the hematology lab and apply principles of laboratory safety. Topics such as hematopoiesis, erythropoiesis, biosynthesis of heme, red cell metabolism and catabolism, leukopoiesis, leukocyte evaluation, and thrombopoiesis will be discussed. The student will perform common hematological procedures, including venapuncture, whole blood analyzers and instrumentation. They will develop skills for effective communication including following departmental regulations, implementing quality assurance measures, and maintaining patient confidentiality. (Prerequisites: BIOL-112, BIOL-213, CHEM-136, MATH-131; Corequisites: MDLT-151, MDLT-153, MDLT-154)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- BIOL112 - Anatomy and Physiology II
- BIOL213 - Microbiology
- CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
- MATH131 - Statistics

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- MDLT151 - Clinical Microbiology I
- MDLT153 - Clinical Chemistry I
- MDLT154 - Immunohematology I

MDLT153 - Clinical Chemistry I

Course Information

Course Number
153

Course Title (long)
Clinical Chemistry I

Course Description
This course introduces the student to the various automated functions utilized in the Chemistry laboratory. The student will investigate laboratory principles involving safety measures, reagents, and statistical procedures. This course will include the study of carbohydrates and the Krebs cycle as it relates to the laboratory testing of Type I and Type II diabetes as well as the implications of diabetes on various organ systems. (Prerequisites: BIOL-112, BIOL-213, CHEM-136, MATH-131; Corequisites: MDLT-151, MDLT-152, MDLT-154)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- BIOL112 - Anatomy and Physiology II
- BIOL213 - Microbiology
- CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
- MATH131 - Statistics

Corequisite

Type

Corequisite

Enroll in the following Courses:

- MDLT151 - Clinical Microbiology I
- MDLT152 - Clinical Hematology I and Phlebotomy
- MDLT154 - Immunohematology I

MDLT154 - Immunohematology I

Course Information

Course Number
154

Course Title (long)
Immunohematology I

Course Description
In this course, the student is introduced to the human blood groups. This series of lectures addressed the clinical and serological nature of antigens and antibodies as they relate to the transfusion of blood and blood components. The laboratory experience provides the student with an understanding of the scope of Transfusion Medicine, to include the collection, processing, storage, distribution and transfusion of blood components. The student will also become proficient in routine antigen and antibody testing, as well as blood typing. (Prerequisites: BIOL-112, BIOL-213, CHEM-136, MATH-131; Corequisites: MDLT-151, MDLT-152, MDLT-153)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- BIOL112 - Anatomy and Physiology II
- BIOL213 - Microbiology
- CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
- MATH131 - Statistics

Corequisite

Type

Corequisite

Career Studies

Complete ALL of the following Courses:

- MDLT151 - Clinical Microbiology I
- MDLT152 - Clinical Hematology I and Phlebotomy
- MDLT153 - Clinical Chemistry I

MDLT251 - Clinical Microbiology II and Immunology

Course Information

Course Number
251

Course Title (long)
Clinical Microbiology II and Immunology

Course Description
This course is a continuation of Clinical Microbiology I and will explore analytical methods and strategies used to identify clinically significant organisms. The student will acquire an understanding of the immune system, immunoglobulin, the complement system, the basic immunologic techniques used in the immunology laboratory, and clinical laboratory diagnostic tests used in infectious and autoimmune diseases. In this course the student will also learn about the diagnosis and treatment of immunologic diseases, viral infections, and acquired immunodeficiency states. (Prerequisite: MDLT-151; Corequisites: MDLT-252, MDLT-253, MDLT- 254)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: MDLT151 - Clinical Microbiology I
Corequisite Type Corequisite Career Studies Complete ALL of the following Courses: MDLT252 - Clinical Hematology II MDLT253 - Clinical Chemistry II and Urinalysis- Body Fluids MDLT254 - Immunohematology II

MDLT252 - Clinical Hematology II

Course Information

Course Number
252

Course Title (long)
Clinical Hematology II

Course Description
In this course the student will identify the etiology, pathophysiology, diagnostic laboratory testing, and treatment of erythrocytic disorders. Topics include an overview of bone marrow and the diagnosis of a variety of anemias and iron metabolism disorders. The student will participate in laboratory procedures to diagnose and differentiate various types of anemia. Pre-analytical, analytical, and post-analytical concerns of laboratory testing will be observed. (Prerequisite: MDLT-152; Corequisites: MDLT-251, MDLT-253, MDLT-254)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: MDLT152 - Clinical Hematology I and Phlebotomy
Corequisite Type Corequisite Career Studies Enroll in the following Courses: MDLT251 - Clinical Microbiology II and Immunology MDLT253 - Clinical Chemistry II and Urinalysis- Body Fluids MDLT254 - Immunohematology II

MDLT253 - Clinical Chemistry II and Urinalysis- Body Fluids

Course Information

Course Number
253

Course Title (long)
Clinical Chemistry II and Urinalysis- Body Fluids

Course Description
This course focuses on the study of amino acids and proteins with an emphasis on interpreting electrophoretograms observed in various pathological states. The student will correlate data with physiologic and pathologic processes when studying liver functions, electrolytes, blood gases and acid base equilibrium. In addition, urinalysis and body fluid collection techniques for testing and analysis will be covered. (Prerequisites: MDLT-153; Corequisites: MDLT-251, MDLT-252, MDLT-254)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: MDLT153 - Clinical Chemistry I
Corequisite Type Corequisite Career Studies Enroll in the following Courses: - MDLT251 - Clinical Microbiology II and Immunology - MDLT252 - Clinical Hematology II - MDLT254 - Immunohematology II

MDLT254 - Immunohematology II

Course Information

Course Number
254

Course Title (long)
Immunohematology II

Course Description
In this course the student will continue to investigate all aspects of the transfusion of blood components, including issues related to hemolytic disease of the newborn. The student will examine and become proficient in compatibility testing, problem resolution and decision making in critical situations. (Prerequisites: MDLT-154; Corequisites: MDLT-251, MDLT-252, MDLT-253)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: MDLT154 - Immunohematology I
Corequisite Type Corequisite Career Studies Enroll in the following Courses: - MDLT251 - Clinical Microbiology II and Immunology - MDLT252 - Clinical Hematology II - MDLT253 - Clinical Chemistry II and Urinalysis- Body Fluids

MDLT261 - Clinical Microbiology III

Course Information

Course Number
261

Course Title (long)
Clinical Microbiology III

Course Description
This course covers clinically significant fungi and parasites important to man, with emphasis on their isolation, identification, and laboratory testing. Students will use case studies to apply principles of Microbiology to various organ systems, with a focus on infections of the bloodstream, lower and upper respiratory tract, gastrointestinal tract infections, genital tract infections, urinary tract infections, skin, soft tissue, and wounds. (Prerequisites: MDLT-251; Corequisites: MDLT-262, MDLT-263, MDLT-264, MDLT-265)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- MDLT251 - Clinical Microbiology II and Immunology

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- MDLT262 - Clinical Hematology III
- MDLT263 - Clinical Chemistry III
- MDLT264 - Clinical Management, Education, and Research
- MDLT265 - Hemostasis

MDLT262 - Clinical Hematology III

Course Information

Course Number
262

Course Title (long)
Clinical Hematology III

Course Description
This course covers morphologic and distributive leukocyte disorders, and neoplasms, including the most current WHO and FAB classifications. The student will identify the key morphologic features and cytochemical reactivity of cells, cytogenetics, and molecular genetics. This course will teach the student to perform laboratory procedures associated with the diagnosis and differentiation of leukocyte disorders, myeloproliferative disorders, and myelodysplastic syndromes. (Prerequisites: MDLT-152; Corequisites: MDLT-261, MDLT-263, MDLT-264, MDLT-265)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- MDLT152 - Clinical Hematology I and Phlebotomy

Corequisite
Type
Corequisite

Career Studies

Complete ALL of the following Courses:

- MDLT261 - Clinical Microbiology III
- MDLT263 - Clinical Chemistry III
- MDLT264 - Clinical Management, Education, and Research
- MDLT265 - Hemostasis

MDLT263 - Clinical Chemistry III

Course Information

Course Number
263

Course Title (long)
Clinical Chemistry III

Course Description
This course focuses on the study of bone, emphasizing its matrix and cellular components, formation and resorption. The student will investigate the effects of growth and disease on bone metabolism. The activity and role of various clinically significant enzymes are studied in detail. The study of lipids will emphasize the various fractions, noting their cardiovascular and storage implications.(Prerequisites: MDLT-153; Corequisites: MDLT-261, MDLT-262, MDLT-264, MDLT-265)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- MDLT153 - Clinical Chemistry I

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- MDLT261 - Clinical Microbiology III
- MDLT262 - Clinical Hematology III
- MDLT264 - Clinical Management, Education, and Research
- MDLT265 - Hemostasis

MDLT264 - Clinical Management, Education, and Research

Course Information

Course Number
264

Course Title (long)
Clinical Management, Education, and Research

Course Description
This course will introduce the student to management issues in health care, including health care reform, federal regulations, and national organizations associated with clinical laboratory practice. In addition, principles and theories of clinical management, information technology affecting the laboratory, principles of personnel and financial management, and critical thinking skills will be explored. The student will focus on clinical education topics that will include characteristics of a clinical instructor, learning domains, modified taxonomy of cognitive domain, and the purpose and use of behavioral objectives. Basic research techniques will be identified and employed by the student to conduct a literature search of a specific topic. (Corequisites: MDLT-261, MDLT-262, MDLT-263, MDLT-265)

Credit Hours
Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Corequisite
Type
Corequisite

Career Studies

Complete ALL of the following Courses:

- MDLT261 - Clinical Microbiology III
- MDLT262 - Clinical Hematology III
- MDLT263 - Clinical Chemistry III
- MDLT265 - Hemostasis

MDLT265 - Hemostasis

Course Information

Course Number
265

Course Title (long)
Hemostasis

Course Description
This course covers normal hemostasis and coagulation, hemorrhagic coagulation disorders, thrombosis evaluation and testing, and qualitative diseases of platelets and vasculature. In the clinical laboratory, the student will perform tests for the laboratory evaluation of hemostasis and monitoring anticoagulant therapy, coagulation instrumentation and manual testing methods. (Prerequisites: BIOL-112, BIOL-213, CHEM-136, MATH-131; Corequisites: MDLT-261, MDLT-262, MDLT-263, MDLT-264)

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- BIOL112 - Anatomy and Physiology II
- BIOL213 - Microbiology
- CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
- MATH131 - Statistics

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- MDLT261 - Clinical Microbiology III
- MDLT262 - Clinical Hematology III
- MDLT263 - Clinical Chemistry III
- MDLT264 - Clinical Management, Education, and Research

MRKT101 - Introduction to Marketing

Course Information

Course Number
101

Course Title (long)
Introduction to Marketing

Course Description
The student will master the fundamentals of marketing and marketing theory. The students will study theories relevant to marketing and the business environment, marketing and the social environment, research, product strategies and development, distribution, promotion and pricing. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's basic foundational studies in reading)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Syllabus (Ctrl + click)
[MRKT-101](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

- Satisfactory completion of the College's basic foundational studies in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MRKT101 - CLO 1	Outcome Understand the marketing process and the functions it accomplishes.
Name MRKT101 - CLO 2	Outcome Describe the major elements of the marketing process, including the influences of external factors on marketing, marketing planning and research, buyer behavior and market segmentation, product strategy, distribution strategy, promotional strategy, and pricing strategy.
Name MRKT101 - CLO 3	Outcome Understand the relationship among the major elements of the marketing process.
Name MRKT101 - CLO 4	Outcome Recognize how the major elements of the marketing process apply to actual marketing concepts and situations.
Name MRKT101 - CLO 5	Outcome Explain how marketing principles relate to international marketing and nonprofit marketing.

MRKT105 - Advertising

Course Information

Course Number 105
Course Title (long) Advertising
Course Description The course will encompass those areas relevant to modern advertising. Topics covered will include media selection, social and economic impacts of advertising, layout, advertising and the marketing system, copywriting and advertising campaign strategies. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Marketing & Creative Service
Syllabus (Ctrl + click) MRKT-105		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
OR
Criteria 2
OR:
Satisfactory completion of the College's basic foundational studies in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MRKT105 - CLO 1	Outcome Identify the social, ethical, and regulatory aspects of advertising.
Name MRKT105 - CLO 2	Outcome Determine and distinguish between the creative and business objectives of a promotional strategy.
Name MRKT105 - CLO 3	Outcome Evaluate copywriting, print production, and media selection for effectiveness I the overall communication strategy.
Name MRKT105 - CLO 4	Outcome Plan and implement an advertising campaign, inclusive of creative development, media selection and assessment.

MRKT111 - Fundamentals of Retailing

Course Information

Course Number 111
Course Title (long) Fundamentals of Retailing
Course Description This course will involve the student in the study of basic retail operations and store management, including consumer behavior, location and site analysis, merchandising practices and policies, retail advertising, layout and display as well as other basic retail management responsibilities. (Prerequisites: READ-095 or satisfactory completion of the College's foundational studies requirement in reading and MATH-015 or satisfactory completion of the College's foundational studies requirement in computation)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Marketing & Creative Service
Syllabus (Ctrl + click) MRKT-111		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in reading.
Foundational Studies Requirement in Computation Fulfill ANY of the following requirements: Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Computation](#)

*Must be MATH-015

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirement in computation.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MRKT111 - CLO 1	Outcome Identify and evaluate the basic principles of retailing.
Name MRKT111 - CLO 2	Outcome Understand the importance of developing and applying a retail strategy.
Name MRKT111 - CLO 3	Outcome Identify the role of retailing in our society.
Name MRKT111 - CLO 4	Outcome Identify the various types of retailers.
Name MRKT111 - CLO 5	Outcome Understand the changing nature of retailing.

MRKT115 - Social Media Marketing

Course Information

Course Number
115

Course Title (long)
Social Media Marketing

Course Description
This course will explain, define, illustrate and apply the ways in which businesses can maximize their marketing efforts through the integration of social media with current marketing strategies. The course will cover the growth and future of social media; how consumers respond to and interact with social media; how businesses can develop an effective social media campaign; how to set social media marketing goals; and how to measure results of social media marketing campaigns. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirements in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Marketing & Creative Service
Syllabus (Ctrl + click) MRKT115		

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

OR:

• Satisfactory completion of the College's foundational studies requirements in reading.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MRKT115 - CLO 1	Outcome Identify and describe social media marketing tools.
Name MRKT115 - CLO 2	Outcome Define the benefits of social media marketing. Describe the impact of social media marketing. Apply social media marketing techniques.
Name MRKT115 - CLO 3	Outcome Analyze the success of using social media with social media listening tools.
Name MRKT115 - CLO 4	Outcome Identify the measurements, tracking and analytic tools to prove ROI.
Name MRKT115 - CLO 5	Outcome Develop a social media marketing plan.

MRKT145 - Salesmanship

Course Information

Course Number 145
Course Title (long) Salesmanship
Course Description The student will practice the basic principles and theories of accepted selling practices. Upon completion of this course, the student will be able to develop selling strategies through case studies and field experiences. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Business	Department(s) ~* Marketing & Creative Service

Syllabus (Ctrl + click)
[MRKT-145](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirements in reading.

MRKT295 - Special Project-Marketing

Course Information

Course Number
295

Course Title (long)
Special Project-Marketing

Course Description
Students may choose to specialize or investigate some area in greater depth by selecting 1-3 credits in this individual learning course for the major. (Prerequisite: 6 credits in the Marketing Program or permission of the instructor)

Credit Hours

Min:	Max:
1	3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

- 6 credits in the Marketing Program.

OR

Criteria 1

OR:

- Permission of the instructor.

MRKT299 - Marketing Internship

Course Information

Course Number
299

Course Title (long)
Marketing Internship

Course Description
Students will work in a job related to their program. Also, they will participate in programs on campus and complete an internship workbook based on the work experience gained. (Prerequisite: 30 credits to include 15 credits of career studies, permission of instructor and Career Services Representative)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Business	Marketing & Creative Service

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- 30 credits to include 15 credits of career studies,
- Permission of instructor and Career Services Representative.

MUPF17A - Contemporary Music Ensemble

Course Information

Course Number
17A

Course Title (long)
Contemporary Music Ensemble

Course Description
Students will participate in a Contemporary Music Ensemble (Rock Band) concentrating on performing commercial contemporary works. The student will learn techniques, intricacies and dynamics of rehearsing and performing in an amplified group setting. The students will learn to read charts, learn songs verbally and by ear, use amplifiers, PA equipment, microphones, choreography, lighting, staging, marketing, promotion, and other techniques involved in producing a successful modern rock concert. The semester will culminate with a full rock concert in the Performing Arts Center. (Corequisite(s): MUSI-101 or instructor approval)

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Music

Course Requirements

No Requirements

MUSI16A - American Popular Music

Course Information

Course Number
16A

Course Title (long)
American Popular Music

Course Description
This course examines the historical significance of popular music in the United States from the late nineteenth century to the present. No formal musical training is necessary to enroll in the course. The student will learn how to analyze musical sound as "text." More crucially, the material will focus on the cultural, social, political, and economic dimensions (the "context") of genres ranging from Tin Pan Alley to blues, jazz, rhythm and blues, country, folk, soul, rock, disco, hip-hop, and classical. Readings include textbook material and selected primary and secondary documents. The student's experience will be enhanced by audio clips and a number of video viewing assignments as well. Each assignment asks students to develop a clear, compelling, and precise evidence-based argument to explore the relationship between musical sounds and their broader cultural significance.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Music

MUSI101 - Fundamentals of Music

Course Information

Course Number
101

Course Title (long)
Fundamentals of Music

Course Description

This course will provide a foundational understanding of the language of music notation. The basic elements of music -- rhythm, melody, harmony, dynamics, timbre, and form - will be examined through a study of scales, intervals, keys, triads, vocabulary, symbols, conducting skills, and meter. Students will apply those skills to a piano keyboard where they will also build ear training and sight-reading skills. This course assumes that the student has little or no prior knowledge of musical notation.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUSI-101](#)

Course Learning Outcomes

Students who successfully complete the course will be able to identify, write, and play the following:

Name	Outcome
MUSI101 - CLO 1	The names of all notes on the common staves.

Name	Outcome
MUSI101 - CLO 2	All major and minor keys and scales.

Name	Outcome
MUSI101 - CLO 3	Standard musical notation, including intervals, rhythms, ear training, sight reading, and basic harmonization.

Name	Outcome
MUSI101 - CLO 4	Clefs, value of notes and rests, accidentals, meters, key signatures, vocabulary, and performance symbols.

Name	Outcome
MUSI101 - CLO 5	Demonstrate basic conducting skills.

Name	Outcome
MUSI101 - CLO 6	Play all I, IV, V, and V7 chords.

MUSI102 - Music Theory/Songwriting 1

Course Information

Course Number
102

Course Title (long)
Music Theory/Songwriting 1

Course Description

This course will examine compositional elements used in songwriting, including chord construction and progression, form/structure, rhythm/meter, instructions/cadences, harmonic analysis, modulations, and lyric composition and placement. These techniques will be studied by an analysis and application of examples taken from various musical genres, including jazz, folk, rock, country, Broadway, and classical music.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUSI-102](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: MUSI101 - Fundamentals of Music

MUSI103 - Ear Training

Course Information

Course Number
103

Course Title (long)
Ear Training

Course Description
The student will learn to identify and notate intervals, rhythms, chord and melodies. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in MUSI-101, or equivalent skills on pretest or audition)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music
Syllabus (Ctrl + click) MUSI103		

Name MUSI103 - CLO 1	Outcome Read a piece of music of moderate to advanced difficulty (for example, a four-part Chorale of Johann Sebastian Bach or the second movement of a Scarlatti piano sonata).
Name MUSI103 - CLO 2	Outcome Auditorily process (or, "hear") the piece before performing it.

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- MUSI101 - Fundamentals of Music

OR

Criteria 2

OR:

- Equivalent skills on pretest or audition.

Course Learning Outcomes

Upon the completion of this course, the student will be able to:

MUSI115 - History of Classical Music

Course Information

Course Number
115

Course Title (long)
History of Classical Music

Course Description
This course is designed for students who desire to explore all aspects of Western "art" music, from the Medieval period through the early 20th Century. The course will emphasize the cultural and historical context within which the music was originally created, and will search out the function of classical music in contemporary society.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUSI-115](#)

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name MUSI115 - CLO 1	Outcome Demonstrate an understanding of the basic concepts of melody, harmony and rhythm from a multi-cultural perspective.
Name MUSI115 - CLO 2	Outcome Distinguish between compositions from the three major historical time periods: Baroque, Classical and Romantic.

MUSI116 - History of Jazz

Course Information

Course Number
116

Course Title (long)
History of Jazz

Course Description
The "History of Jazz" will examine the origins of jazz music and developments from their origins to current trends, with a strong emphasis on historical and sociological factors. Jazz is unique to the American experience in that it combines the musical and cultural traditions of three distinct ethnic groups: the Western European tradition, African and African-Caribbean rhythms and instruments, and late 19th Century American musical styles. All were part of the development and reception of what is considered contemporary Jazz. The course does not require any previous knowledge of music. Attendance at one live jazz concert and a review of the performance is mandatory.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU), Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUSI-116](#)

Course Learning Outcomes

Students will:

Name MUSI116 - CLO 1	Outcome Demonstrate effective and critical listening musical listening skills.
Name MUSI116 - CLO 2	Outcome Articulate a response to jazz music. This will be accomplished through critiques and analysis of recordings.
Name MUSI116 - CLO 3	Outcome Identify and analyze historical issues of the diverse cultural and societal issues as they impacted on jazz music and how it has impacted current and will impact future trends.

MUSI129 - Introduction to Music Business

Course Information

Course Number

129

Course Title (long)

Introduction to Music Business

Course Description

This course will introduce students to a broad overview of the music business including the basic principles of marketing, publishing, licensing, distributing, selling and promoting music. Students will explore the impact of technology and electronic transmission of music. This course will guide both musicians and non-musicians through identifying essential business management skills needed to pursue a career in the music industry. (Knowledge of Microsoft WORD and Powerpoint is recommended)

Credit Hours

Min:

3

Billing Hours

Min:

3

Department(s) ~*

Music

Syllabus (Ctrl + click)

[MUSI129](#)

MUSI130 - Small Musical Ensemble

Course Information

Course Number

130

Course Title (long)

Small Musical Ensemble

Course Description

In this course, a small ensemble of student musicians (approximately 5-15) will rehearse, study, and perform standard and contemporary instrumental literature. Small music ensembles might include "Rock-It," the {Brookdale} New Jersey State Youth Orchestra's "Chamber Music Ensemble" and "Wind Ensemble." In addition, the Brookdale Concordia Chorale may offer small vocal ensembles including madrigal singers, Barbershop Quartets, as well as Girl's and Women's Ensembles, etc. The ensembles might be invited to participate in field trips to perform off campus, as well as concerts for college ceremonies, including graduation and theatrical productions.

Credit Hours

Min:

1

Billing Hours

Min:

1

Department(s) ~*

Music

Syllabus (Ctrl + click)

[MUSI130](#)

MUSI131 - Large Musical Ensemble

Course Information

Course Number
131

Course Title (long)
Large Musical Ensemble

Course Description
In this course, a large ensemble of student musicians (15 or more) will rehearse, study, and perform standard and contemporary instrumental literature. Large music ensembles might include the Brookdale Concordia Chorale, and the [Brookdale]New Jersey State Youth Orchestra's "Symphonic Youth Orchestra." The ensembles might be invited to participate in field trips to perform off campus, as well as concerts for college ceremonies, including graduation and theatrical productions. Admission to this course is at the discretion of the conductor, and may require an audition.

Credit Hours
Min:
1

Billing Hours
Min:
1

Department(s) ~*
Music

Syllabus (Ctrl + click)
[MUSI131](#)

MUSI137 - Jazz Studio Ensemble I

Course Information

Course Number
137

Course Title (long)
Jazz Studio Ensemble I

Course Description
In this instrumental ensemble, the students will be exposed to performing in various jazz styles. Students will be instructed in soloing techniques, and they will be encouraged to individually solo within the context of the ensemble. Attendance at an on-campus concert will be required.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Music

MUSI138 - Jazz Studio Ensemble II

Course Information

Course Number
138

Course Title (long)
Jazz Studio Ensemble II

Course Description
Jazz Studio Ensemble II is a hands-on musical performance course with emphasis placed on the repertoire of the Big Band. Ensemble performance skills such as section playing, group intonation and dynamics and rhythmic interpretation of Big Band performance cliches will be stressed. Improvisation techniques, within the context of the entire ensemble will also be covered. The instrumentation of the group will be that of a traditional swing band and repertoire of all style periods and major arrangers will be covered. Personal instrument required. (Prerequisite: MUSI 101, basic fluency of music fundamentals. Students without previous ensemble experience should consider or may be asked to enroll in MUSI 137, Jazz Ensemble I, as a prerequisite in order to gain the necessary level of performance experience required for this course.)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
- MUSI101 - Fundamentals of Music - MUSI137 - Jazz Studio Ensemble I

MUSI139 - Basics of Jazz Improvisation

Course Information

Course Number
139

Course Title (long)
Basics of Jazz Improvisation

Course Description
This course is designed to introduce the student to the basics of jazz improvisation (namely, the rhythmic, harmonic, and theoretical functions of the musical process of improvising). These goals will be accomplished through required listening, a discussion of music theory as it applies to jazz performance, and performance based on the student's background and experience. A personal instrument is required with the exception of pianists and vocalists. (Prerequisite: MUSI-102 or approval of instructor, and fluency on an instrument)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music
Syllabus (Ctrl + click) MUSI139		

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

MUSI102 - Music Theory/Songwriting 1

OR

Criteria 2

OR:

Approval of instructor, and fluency on an instrument.

MUSI145 - Contemporary Music Ensemble

Course Information

Course Number
145

Course Title (long)
Contemporary Music Ensemble

Course Description
Students participating in the Contemporary Music Ensemble will concentrate on performing popular, contemporary works. Each student will glean a clear understanding of the techniques, intricacies and dynamics of rehearsing and performing in an amplified group setting; these include reading charts, learning songs aurally, navigating PA equipment, arranging choreography and staging, marketing and promoting the band, and other facets of producing a successful contemporary music concert. The semester will culminate with staged performance in the Performing Arts Center.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Music
Syllabus (Ctrl + click) MUSI145

MUSI151 - Voice I

Course Information

Course Number
151

Course Title (long)
Voice I

Course Description
This class is designed for a singer to improve vocal production and improve the quality of their singing. Combining the study of anatomy as it pertains to singing and current findings in voice science with traditional exercises, students will learn about inhalation and controlled exhalation for singing. Articulators and diction will be analyzed. The necessary techniques for different genres of music will be examined. Application of these technical skills will then be applied to expressing and acting the emotional context of a song for performance. Basic music notation and sight singing will be introduced. All students are required to rehearse and perform with the Brookdale Concordia Chorale. *

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music
Syllabus (Ctrl + click) MUSI-151		

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name	Tags
MUSI151 - CLO 1	Creative Expression, Critical Thinking
Outcome Produce an optimal vocal sound for any number of musical styles and interpretative techniques. (Creative Expression and Critical Thinking)	

Name	Tags
MUSI151 - CLO 2	Creative Expression, Critical Thinking
Outcome Apply a basic understanding of the principles of stage performance. (Creative Expression and Critical Thinking)	

MUSI152 - Voice II

Course Information

Course Number
152

Course Title (long)
Voice II

Course Description
Building upon the skills learned in Voice I (MUSI 151), this course is designed to continue to build a solid vocal technique, with additional work on performance proficiency. The class will be divided into the same two sections: in the first section, students will learn the correct way to produce a health, safe vocal sound by means of bel canto techniques intended to discover, develop and strengthen breath, support, projection, range and flexibility. In the second part of the class, students will work on assigned pieces of music and present their work to the class. Interpretation, style, phrasing, etc., will be studied as part of the performance. (Pre-requisite: A grade of "C" or higher in MUSI 151)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music
Syllabus (Ctrl + click) MUSI-152		

Course Requirements

No Requirements

Course Learning Outcomes

Solo and ensemble repertoire will be studied. Upon completion of this course, the student will be able to:

Name	Tags
MUSI152 - CLO 1	Creative Expression, Critical Thinking
Outcome Produce an optimal vocal sound for any number of musical styles and interpretative techniques. (Creative Expression and Critical Thinking)	

Name	Tags
MUSI152 - CLO 2	Creative Expression, Critical Thinking

Outcome

Apply an advanced understanding of the principles of stage performance and ensemble collaboration. (Creative Expression and Critical Thinking)

MUSI161 - Group Guitar I

Course Information

Course Number
161

Course Title (long)
Group Guitar I

Course Description
This course is designed for students with little or no guitar experience and will focus on the basic skills needed to play the guitar. Specific areas of discussion will include reading music, fingerboard basics, strumming and picking technique and an introduction to chords and scales. Skills learned in this course will allow the student to perform music in a variety of styles. Attendance at one Brookdale concert is required.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Music

MUSI162 - Group Guitar II

Course Information

Course Number
162

Course Title (long)
Group Guitar II

Course Description
This course is designed as a continuation of MUSI 161, with added emphasis on individual study. Specific areas of discussion will include understanding and reading rhythms, learning to improve using major, minor and pentatonic scales and modes, as well as understanding harmony in a variety of musical styles. Students will do final projects arranging, composing, or performing songs, including those found in today's popular music. Attendance at one Brookdale concert is required. (Prerequisite: A grade of "C" or higher in MUSI 161, approval of instructor, and fluency on an instrument)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- MUSI161 - Group Guitar I

OR

Criteria 2

OR:

- Approval of instructor, and fluency on an instrument

MUSI165 - Jazz Guitar

Course Information

Course Number
165

Course Title (long)
Jazz Guitar

Course Description
This course will focus on the basic skills needed to play jazz music on the guitar. Specific areas of discussion will include understanding and reading rhythms, jazz chord forms, and learning to improvise using major scales, modes, guide tons and chord melody playing. Studies continue with the melodic and harmonic analysis of jazz guitar solos by historically renowned jazz guitarists. (Prerequisite MUSI 161 or MUSI 162 or at least one year of guitar experience.)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music
Syllabus (Ctrl + click) MUSI165		

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ANY of the following Courses:

- MUSI161 - Group Guitar I
- MUSI162 - Group Guitar II

OR

Criteria 2

OR:

- At least one year of guitar experience.

MUSI191 - Group Piano I

Course Information

Course Number
191

Course Title (long)
Group Piano I

Course Description
Students will learn to read music at the piano. They will perform elementary five-finger studies and two-hand piano pieces, transposing them to all major keys. They will play simple chord structures.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Music

MUSI192 - Group Piano II

Course Information

Course Number
192

Course Title (long)
Group Piano II

Course Description
Students will be able to play and transpose easy pieces in minor keys. They will play all the major and minor scales in tetrachords. They will identify parallel and relative majors and minors. They will play elementary chord progressions and pieces in all the major and minor keys. (Prerequisite: A grade of "C" or higher in MUSI- 191 or instructor approval)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUSI192](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- MUSI191 - Group Piano I

OR

OR:

- Instructor approval.

Name MUSI192 - CLO 1	Outcome Demonstrate intermediate keyboard skills, including sight-reading and performance techniques.
Name MUSI192 - CLO 2	Outcome Perform in the classroom, workshops and student recitals, where they will apply intermediate keyboard skills, including sight-reading and performance techniques.

Course Learning Outcomes

Upon completion of this course, the student will be able to:

MUSI193 - Group Piano III

Course Information

Course Number
193

Course Title (long)
Group Piano III

Course Description
Students will analyze, polish, and perform pieces of early intermediate level at the piano. They will play major and minor scales and arpeggios with the appropriate traditional fingerings. They will identify and play the four forms of the triad and their inversions. They will improve their sight reading and improvising skills. (Prerequisite: A grade of "C" or higher in MUSI-192 or instructor approval)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUSI193](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- MUSI192 - Group Piano II

OR

Criteria 2

OR:

- Instructor approval.

Name MUSI193 - CLO 1	Outcome Demonstrate advanced keyboard skills, including sight reading and performance techniques.
Name MUSI193 - CLO 2	Outcome Perform in the classroom, workshops and student recitals, where they will apply advanced keyboard skills, including sight reading and performance techniques.

Course Learning Outcomes

Upon completion of this course, the student will be able to:

MUSI201 - Music Theory/Songwriting 2

Course Information

Course Number
201

Course Title (long)
Music Theory/Songwriting 2

Course Description
Building upon skills of MUSI 102, this course will expand the techniques needed to successfully compose, record, and publicize music in various media. Students will cmpose original pieces in various musical genres, including jazz, folk, rock, country, Broadway, and classical music.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUSI-201](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- MUSI102 - Music Theory/Songwriting 1

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name	Outcome
MUSI201 - CLO 1	Demonstrate an advanced fluency in the rhythmic, harmonic and theoretical functions of the musical process.

MUSI244 - Group Piano IV

Course Information

Course Number
244

Course Title (long)
Group Piano IV

Course Description
Students will analyze, polish, and perform pieces of early intermediate level at the piano. They will play major and minor scales and arpeggios with the appropriate traditional fingerings. They will identify and play the four forms of the triad and their inversions. They will improve their sight reading and improvising skills. (Prerequisite: A grade of "C" or higher in MUSI-193 or instructor approval)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUSI-244](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- MUSI193 - Group Piano III

OR

Criteria 2

OR:

- Instructor approval.

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name MUSI244 - CLO 1	Outcome Demonstrate their ability to play major and minor scales and arpeggios with traditional fingering.

Name MUSI244 - CLO 2	Outcome Demonstrate in performance their ability to play all major and minor scales, arpeggios and inversions with traditional fingering.

MUSI251 - Voice III

Course Information

Course Number
251

Course Title (long)
Voice III

Course Description
Students will build upon the skills established in MUSI 151 and MUSI 152. In the first section of the course, students will develop advanced vocal techniques to further refine healthy, safe vocal sounds by means of the most advanced and challenging bel canto techniques intended to further strengthen breathing, support, projection, range and flexibility. In the second part of the class, students will be assigned advanced standard repertory pieces of music and present their work to the class. Interpretation, style, phrasing, analysis of lyrics, and compositional techniques will be studied. Performances will be taped and viewed in the class for constructive criticism. (Prerequisite: A grade of "C" or higher in MUSI 152)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Music

Syllabus (Ctrl + click)
[MUSI251](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- MUSI152 - Voice II

MUSI252 - Voice IV

Course Information

Course Number
252

Course Title (long)
Voice IV

Course Description
Students will build upon the skills established in MUSI 151, 152, and 251. The class will continue to be divided into two sections. In the first section, students will develop advanced vocal techniques inteded to further strengthen breathing, support, projection, range and flexibility. In the second part of the class, students will be assigned advanced repertory pieces of music and present their work to the class. Interpretatino, style, phrasing, analysis of lyrics and compositional techniques will studied. Performances will be taped and viewed in the class for constructive criticism. Additional requirements will include study of Latin diction, performance requirements outside of Brookdale and work on the presentation of a cabaret show. (Prerequisite: A grade of "C" or higher in MUSI-251)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music
Syllabus (Ctrl + click) MUSI252		

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
MUSI251 - Voice III

MUSI295 - Special Project - Music

Course Information

Course Number
295

Course Title (long)
Special Project - Music

Course Description
Students may choose to specialize or investigate some area in greater depth by selecting 1-6 credits in this individual learning course for the major.

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Music

MUTC16A - Music Industry Practicum

Course Information

Course Number
16A

Course Title (long)
Music Industry Practicum

Course Description
This course is intended as a capstone experience for the Associate of Applied Science in Music Technology. For this practicum, students will spend a minimum of 135 hours as an intern in a field of music such as retail and wholesale products, arts management, marketing, promotions, recording, live sound, venue operations, sound design, and/or audio production. This course should be taken in the student's final semester.(Prerequisites: MUTC-101, MUTC-102, MUTC-115)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Complete ALL of the following Courses:

- MUTC101 - Pro Tools® I
- MUTC102 - Pro Tools® II
- MUTC115 - Introduction to Music Technology

MUTC101 - Pro Tools® I

Course Information

Course Number
101

Course Title (long)
Pro Tools® I

Course Description
This course covers the basic principles required to create a Pro Tools® project, beginning with installation, initial setup and score creation. The student will master the beginner level tools and techniques, including MIDI entry, simple entry and an introduction to sequencer techniques. (Prerequisites: MUSI-101 and MUPF-101 or placement tests or instructor approval for Game Design AAS majors only. Basic computer skills: working with files, email, internet)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUTC101](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- MUSI101 - Fundamentals of Music

OR

Criteira 2

OR:

- Placement tests.

OR

Criteria 3 (Game Design AAS majors only)

OR:

- Instructor approval for Game Design AAS majors only.

Additional Comments:

Basic computer skills: working with files, email, internet.

Course Learning Outcomes

Upon completion, students will be able to:

Name MUTC101 - CLO 1	Outcome Apply introductory-level comprehension of facts, concepts, and principles of the digital audio/MIDI production environment.
Name MUTC101 - CLO 2	Outcome Distinguish between the Edit, Mix, and Notation windows of Pro Tools.
Name MUTC101 - CLO 3	Outcome Compose original tracks with software-synthesizer plug-ins and loop-based production. Perform basic editing of sequenced tracks within the Slip, Shuffle, Grid and Spot modes.
Name MUTC101 - CLO 4 Outcome Apply basic proficiency with Mix window, automation, and mix-down techniques. (Technological Literacy, Critical Thinking, and Creative Expression)	Tags Technological Competency (Technology), Critical Thinking, Creative Expression

MUTC102 - Pro Tools® II

Course Information

Course Number

102

Course Title (long)

Pro Tools® II

Course Description

Building upon the skills mastered in Pro Tools® I, this course will guide the student through advanced beginner-level tools and techniques for score creation. The student will learn advanced note entry with and without MIDI support, *.xml and *.way file creation, articulation tools specific to the four orchestral families, and other tools necessary to create a small-to-medium sized score for wind ensemble, brass quintet and string quartet. (Prerequisites: A grade of "C" or higher in MUTC-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School

School of Business, Humanities and Social Science

Division

Division of Humanities & Social Science

Department(s) ~*

Music

Syllabus (Ctrl + click)

[MUTC102](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- MUTC101 - Pro Tools® I

Course Learning Outcomes

Upon completion, students will be able to:

Name MUTC102 - CLO 1	Outcome Demonstrate introductory-level application of facts, concepts, and principles of the digital audio/MIDI production environment.

Name MUTC102 - CLO 2	Outcome Utilize the Edit, Mix, and Notation windows of Pro Tools®.
Name MUTC102 - CLO 3	Outcome Arrange original tracks with software-synthesizer plug-ins and loop-based production.
Name MUTC102 - CLO 4	Outcome Perform basic editing of sequenced tracks within the Slip, Shuffle, Grid, and Spot modes.
Name MUTC102 - CLO 5	Tags Technological Competency (Technology), Critical Thinking, Creative Expression Outcome Demonstrate proficiency with the Mix window, automation, and mix-down techniques. (Technological Literacy, Critical Thinking, and Creative Expression)

MUTC105 - Introduction to Notion Music®

Course Information

Course Number
105

Course Title (long)
Introduction to Notion Music®

Course Description
This course will give the student an introduction to the ?virtual orchestra? software, NOTION Music®. The course will guide the student through software/MIDI installation, note entry, *.xml import/export, editing techniques, orchestration tools and playback/recording. The student will be able to successfully orchestrate and perform a multi-part selection of music. (Prerequisites: MUSI-101 and MUPF-101 or placement tests. Basic computer skills: working with files, email, internet)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUTC105](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- MUSI101 - Fundamentals of Music

OR

Criteria 2

OR:

- Placement tests.

Additional Comments:
Basic computer skills: working with files, email, internet.

Course Learning Outcomes

Upon completion, students will be able to:

Name MUTC105 - CLO 1	Outcome Apply introductory-level proficiency of the orchestration tools available in NOTION Music®.

Name MUTC105 - CLO 2	Outcome Utilize basic functions of the Edit, Instrument, Score, Setup, Mix and Notation windows of NOTION Music®.

Name MUTC105 - CLO 3	Tags Technological Competency (Technology), Critical Thinking, Creative Expression
Outcome Produce a fully-developed musical score for small ensemble and chamber orchestra. (Technological Literacy, Critical Thinking, and Creative Expression)	

MUTC115 - Introduction to Music Technology

Course Information

Course Number
115

Course Title (long)
Introduction to Music Technology

Course Description
This course provides a clear overview of the essential elements of music technology for today's musician. It is designed to provide music students with the background necessary to apply technology in their creating, teaching, and performing. It focuses on five topics that underlie the hardware and software in use today: Sound, Audio, MIDI, Synthesis and Sampling, and Computer Notation and Computer-Assisted Instruction. In addition, necessary computer hardware and software concepts will be addressed. (Prerequisites or corequisites: MUSI-101 and MUPF-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Music

Syllabus (Ctrl + click)
[MUTC115](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: MUSI101 - Fundamentals of Music

Corequisite Type Corequisite
Career Studies
Enroll in the following Courses: MUSI101 - Fundamentals of Music

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MUTC115 - CLO 1	Outcome Analyze the theories and concepts behind a variety of music technologies.
Name MUTC115 - CLO 2	Outcome Examine the essential elements of sound and audio.
Name MUTC115 - CLO 3	Outcome Apply processes utilizing MIDI, synthesis and sampling.
Name MUTC115 - CLO 4	Outcome Create several elementary musical scores with computer notation software and electronic sound-producing devices.

MUTC201 - Pro Tools® III

Course Information

Course Number 201
Course Title (long) Pro Tools® III
Course Description Building upon the skills mastered in Pro Tools® I and II, this course will guide the student through advanced tools and techniques for score realization. Using cross platform techniques with other software, the student will work with video/gaming tools to provide basic musical enhancement for projects in other media. (Prerequisites: A grade of "C" or higher in MUTC- 102)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Music

Syllabus (Ctrl + click)
[MUTC201](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: MUTC102 - Pro Tools® II

Course Learning Outcomes

Upon completion, students will be able to:

Name MUTC201 - CLO 1	Outcome Demonstrate intermediate proficiency with the digital audio/MIDI production environment.
Name MUTC201 - CLO 2	Outcome Utilize the Edit, Mix, and Notation windows of Pro Tools®.

Name MUTC201 - CLO 3	Outcome Create, arrange and produce original tracks with software-synthesizer plug-ins and loop- based production.
Name MUTC201 - CLO 4	Outcome Perform intermediate editing of sequenced tracks within the Slip, Shuffle, Grid and Spot modes.
Name MUTC201 - CLO 5	Tags Technological Competency (Technology), Critical Thinking, Creative Expression Outcome Demonstrate intermediate proficiency with the Mix window, automation, and mix-down techniques. Justification (Technological Literacy, Critical Thinking, and Creative Expression)

MUTC202 - Pro Tools® IV

Course Information

Course Number 202
Course Title (long) Pro Tools® IV
Course Description Building upon the skills mastered in Pro Tool® I, II and III, this course will guide the student through professional tools and techniques for live performance, professional video/gaming/film scoring and cross-platform functions. The student will begin and complete a professional-level project in one field and present the project for professional review and critique. (Prerequisites: A grade of "C" or higher in MUTC-201)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Music
Syllabus (Ctrl + click) MUTC202		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: MUTC201 - Pro Tools® III

Course Learning Outcomes

Upon completion, students will be able to:

Name MUTC202 - CLO 1	Outcome Demonstrate advanced-level proficiency of facts, concepts, and principles with the digital audio/MIDI production environment.
Justification (Technological Literacy, Critical Thinking, and Creative Expression)	

Name MUTC202 - CLO 2	Outcome Utilize the Edit, Mix, and Notation windows of Pro Tools®.
Justification (Technological Literacy, Critical Thinking, and Creative Expression)	

Name MUTC202 - CLO 3	Outcome Create and arrange original tracks with software-synthesizer plug-ins and loop-based production.
Justification (Technological Literacy, Critical Thinking, and Creative Expression)	

Name MUTC202 - CLO 4	Outcome Perform advanced editing of sequenced tracks within the Slip, Shuffle, Grid and Spot.
Justification (Technological Literacy, Critical Thinking, and Creative Expression)	

Name MUTC202 - CLO 5	Outcome Demonstrate advanced proficiencies with the Mix window, automation, and mix-down techniques.
Justification (Technological Literacy, Critical Thinking, and Creative Expression)	

MUTC215 - Composing Music for Media

Course Information

Course Number
215

Course Title (long)
Composing Music for Media

Course Description
This is a highly advanced course, designed with the composer/musician in mind. The student will employ his/her skills that were acquired through the series of Pro Tools®, Finale®, and communication media courses. In this course, the student will learn the history of film scoring, the symbiotic relationship between film (or other media) and music, and ultimately compose original scores for short film cues, commercials and gaming storyboards.(Prerequisites: MUTC-111, MUTC-201 and COMM-115; Prerequisites or corequisites: COMM-216)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Music

Syllabus (Ctrl + click)
[MUTC215](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- MUTC111 - Finale® I
- MUTC201 - Pro Tools® III
- COMM115 - Audio in Media
- COMM216 - Advanced Digital Audio/Musical Recording

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- COMM216 - Advanced Digital Audio/Musical Recording

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name MUTC215 - CLO 1	Outcome Illustrate the history of film music.

Name MUTC215 - CLO 2	Outcome Identify genres of film scores.

Name MUTC215 - CLO 3	Outcome Analyze the symbiotic relationship between film and music.

Name MUTC215 - CLO 4	Outcome Classify appropriate musical/textural elements for specific media cues.

Name MUTC215 - CLO 5	Outcome Demonstrate a comprehension of a composer's unique working aesthetic.

Name MUTC215 - CLO 6	Outcome Create music and media.

NETW106 - Introduction to Networking TCP/IP

Course Information

Course Number 106
Course Title (long) Introduction to Networking TCP/IP
Course Description The objective of this course is to provide students with a practical understanding of networking and the skills required to setup and use TCP/IP networks. Instruction will include demonstration and hands-on experience of networking and TCP/IP concepts. Additionally, this course provides students with an overview of the facilities and services provided by the TCP/IP protocol suite and others. It is useful for students who wish to understand networking concepts with TCP/IP or make decisions about implementing a TCP/IP network. The course concentrates on the Windows Operating System with TCP/IP implementation.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[NETW106](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NETW106 - CLO 1	Tags Critical Thinking, Information Literacy (Integrated Course Goal), Technological Competency (Technology)
Outcome Demonstrate a working knowledge of TCP\IP and the skills required to setup or use TCP/IP networks (Critical Thinking, Information Literacy, Technological Literacy).	

Name NETW106 - CLO 2	Tags Critical Thinking, Technological Competency (Technology)
Outcome Understand the facilities provided by the TCP\IP protocol suite. (Critical Thinking, Technological Literacy)	

NETW107 - Introduction to Security

Course Information

Course Number
107

Course Title (long)
Introduction to Security

Course Description
This course provides a fundamental understanding of network security principles and implementation through lecture, hands-on activities, and case studies. Topics covered include: authentication, types of attacks, malicious code, email threats and countermeasures, Web applications, remote access, and file and print services, intrusion detection systems, firewalls, and physical security concepts, security policies, disaster recovery, and computer forensics. Security topologies are discussed as well as technologies used and principles involved in creating secure computer networking environments such as providing secure communications channels, secure internetworking devices, and network medium and the daily tasks involved with managing and troubleshooting these technologies. Hands-on and case project assignments will reinforce each of the concepts. This course is offered only in the Fall term.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology
Syllabus (Ctrl + click) NETW107		

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
NETW107 - CLO 1	Demonstrate a working knowledge of network security principles and implementation.
NETW107 - CLO 2	Demonstrate understanding of authentications, types of attacks, malicious code, e-mail threads, web applications, remote access, file & printing services, intrusion detection systems, firewalls, physical security, security policies, disaster recovery, and computer forensics.

NETW110 - Introduction to UNIX Network Admin

Course Information

Course Number
110

Course Title (long)
Introduction to UNIX Network Admin

Course Description
This course will provide the student with a comprehensive understanding of the administrative aspects of the UNIX operating system. At the conclusion of this course the student will have the skills required to administer a UNIX system including user management, file management, backup procedures, and the reconfiguration and handling peripheral devices. The laboratory component of the course will require the student to install and configure an Intel computer with UNIX. This course consists of three hours of lecture and additional independent lab time as necessary per week. This course is offered only in the Fall term. (Prerequisite: Familiarity with a computer operating system would be very helpful)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology
Syllabus (Ctrl + click) NETW110		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Recommended
Fulfill ANY of the following requirements: Familiarity with a computer operating system would be very helpful.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Tags
NETW110 - CLO 1	Technological Competency (Technology)

Outcome Demonstrate a working knowledge of the administrative aspects of the UNIX operating system (Technological Literacy)	

Name NETW110 - CLO 2	Tags Critical Thinking, Technological Competency (Technology)
Outcome Administer a UNIX system including user management, file management, backup procedures, and the reconfiguration and handling of peripheral devices (Critical Thinking, Technological Literacy)	

Name NETW110 - CLO 3	Tags Critical Thinking, Information Literacy (Integrated Course Goal)
Outcome Install and configure an Intel computer with UNIX (Critical Thinking, Technological Literacy)	

NETW111 - UNIX Network Administration II

Course Information

Course Number 111
Course Title (long) UNIX Network Administration II
Course Description This course will provide the student with a comprehensive understanding of the administrative aspects of the UNIX operating system. At the end of the course the student will have the skills required to administer a UNIX server. It focuses on an introduction to TCP/IP networking under UNIX, as well as on network monitoring and debugging. Students will learn the basic principles of TCP/IP networking, configuring and using the Domain Name Service, sendmail, the Network Information System, and the Network File System, installing and configuring a Web and Internet Server, as well as the basics of network security. This course consists of four hours of lecture and additional lab time as necessary per week. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in NETW-110)

Credit Hours

Min:
4

Billing Hours

Min:
4

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[NETW111](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: NETW110 - Introduction to UNIX Network Admin

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NETW111 - CLO 1	Outcome Demonstrate a working knowledge of the administrative aspects of the UNIX operating system.

Name NETW111 - CLO 2	Outcome Administer a UNIX servers.
Name NETW111 - CLO 3	Outcome Perform network monitoring and debugging.
Name NETW111 - CLO 4	Outcome Apply the basic principles of TCP/IP networking in configuring and using the Domain Name Service, send mail, the Network Information System, and the Network file system in installing and configuring a Web host and Internet Server as well as the basic of network security.

NETW125 - Introduction to Wireless

Course Information

Course Number
125

Course Title (long)
Introduction to Wireless

Course Description
Through lecture, hands-on activities, and case studies, this course introduces wireless networking over a range of applications, from cell phones to wireless local area networks to broadband wide area network links to satellite. Students will be able to describe the advantages and disadvantages of wireless communications in general, and understand the difference between radio and infrared. The course will cover WLANs, and in particular 802.11b and 802.11a and 802.11g- configuration and security problems. It will present cell phone technology, including 2, 2.5 and 3 G, and examine WAP and SMS. Finally, it will examine fixed broadband wireless and satellite communications. NOTE: This course is offered only in the Spring term. (Prerequisites: ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[NETW125](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Writing Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Course Sets: Foundational Studies Requirement in Writing OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NETW125 - CLO 1	Outcome Understand wireless networking over a range of applications, from cell phones to wireless local area networks to broadband wide area network links to satellite.
Name NETW125 - CLO 2	Outcome Describe the advantages and disadvantages of wireless communication in general, and understand the difference between radio and infrared.
Name NETW125 - CLO 3	Outcome Describe the operation of cell phone technology, including 2, 2.5, and 3 G, WAP, SMS, fixed broadband wireless and satellite communications.
Name NETW125 - CLO 4	Outcome Configure and secure 802.11b, 802.11a and 802.11g WLANs.

NETW151 - Router Internetworking/CCNA

Course Information

Course Number
151

Course Title (long)
Router Internetworking/CCNA

Course Description

This is the first of a two semester sequence designed to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment and/or further education and training in the computer networking field. A task analysis of current industry standards and occupational analysis was used to develop the content standards. Instruction includes, but is not limited to, safety, networking, network terminology and protocols, network standards, LANs, WANs, OSI models, cabling, cabling tools, routers, router programming, star topology, IP addressing and network standards. The student will study and design networks using Ethernet, Token Ring, Fiber Distributed Data Interface, TCP/IP Addressing Protocol and dynamic routing. Particular emphasis is given to the use of decision-making and problem-solving techniques in applying science, mathematics, communication and social studies concepts to solve networking problems. In addition, instruction and training are provided in the proper care, maintenance and use of networking software, tools and equipment and all local, state and federal safety, building and environmental codes and regulations. NOTE: This course is offered only in the Fall term.

Credit Hours

Min:
6

Billing Hours

Min:
6

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[NETW151](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NETW151 - CLO 1	Outcome Design, build, and install local area networks in various configurations using Cisco routers and switches.

NETW152 - Virtual LANs and WANs/CCNA

Course Information

Course Number
152

Course Title (long)
Virtual LANs and WANs/CCNA

Course Description
This is the second of a two semester sequence designed to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment and/or further education and training in the computer networking field. Instruction introduces and extends the student's knowledge and practical experience with routers, switches, Local Area Networks (LANs) and Virtual Local Area Networks (VLANs) design, configuration and maintenance. In addition, the student will learn and have practical experience with Wide Area Networks (WANs), Integrated Services Data Networks (ISDN), Point-to-Point Protocols (PPP) and Frame Relay design, configuration and maintenance. Students develop practical experience in skills related to configuring LANs, WANs, Novell networks, Internetwork Packet Exchange (IPX) routing and Interior Gateway Routing Protocol (IGRP), configuring WANs, ISDN, PPP and Frame Relay protocols and network troubleshooting. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or better in NETW-151, or CCNA Semester 1 and 2 at another CNAP institution)

Credit Hours

Min:
6

Billing Hours

Min:
6

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[NETW152](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- NETW151 - Router Internetworking/CCNA

OR

Criteria 2

- Fulfill ALL of the following requirements:
- CCNA Semester 1 and 2 at another CNAP institution.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
NETW152 - CLO 1	Design, build, and install local area networks in various configurations using Cisco routers and switches.

NETW190 - MCTS Guide to Microsoft Windows 7 Administering Microsoft Windows

Course Information

Course Number
190

Course Title (long)
MCTS Guide to Microsoft Windows 7 Administering Microsoft Windows

Course Description
This is an introductory course designed for people who are getting started in computer networking as well as experienced network administrators who are new to Windows 7. Students learn to install, configure and maintain Microsoft Windows 7 as a client operating system. Students will learn how to implement, manage and troubleshoot hardware devices and drivers; monitor and optimize system performance and reliability; configure and troubleshoot the desktop environment; implement, manage and troubleshoot network protocols and services: disaster recovery and troubleshooting; and implement, monitor and troubleshoot basic security. At the conclusion of this course, the student will earn three credits, and be ready to take the Microsoft Windows 7 MCSE exam. NOTE: This course is offered only in the Fall term.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[NETW190](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
NETW190 - CLO 1	Install, configure, and maintain Windows 7.

NETW191 - MCSE - Managaing and Maintaining a Microsoft Windows Server 2008 Environment

Course Information

Course Number
191

Course Title (long)
MCSE - Managaing and Maintaining a Microsoft Windows Server 2008 Environment

Course Description
In this course, the student will learn to install and configure Microsoft Windows 2008 Server. Students will learn how to implement, manage and troubleshoot access to resources; monitor and optimize system performance, reliabilty and availability; configure and troubleshoot system storage; implement, manage and troubleshoot network connections, protocols and services; and implement, monitor and troubleshoot network security. At the conclusion of this course, the student will earn three credits, and be ready to take the Installing, Configuring, and Administering Microsoft Windows 2008 Server MCSE exam. NOTE: This course is offered only in the Spring term. (Prerequisite or Corequisite: NETW-106)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[NETW191](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: NETW106 - Introduction to Networking TCP/IP
Corequisite Type Corequisite Career Studies Enroll in the following Courses: NETW106 - Introduction to Networking TCP/IP

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
NETW191 - CLO 1	Design, build and install a Windows 2008 Server.

NETW236 - Computer Forensics & Investigation

Course Information

Course Number
236

Course Title (long)
Computer Forensics & Investigation

Course Description
This course provides a hands-on understanding of the methods, technologies, and challenges relevant to properly conducting a computer forensics investigation and response. Areas of study include procedures for investigating computer and cybercrime, and concepts for collecting, analyzing, recovering, and preserving forensic evidence. The course also covers working with various operating systems, including Windows, DOS, Macintosh, and Linux. Other topics covered include boot processes, disk structures, data acquisition, recovering image files, network forensics, being an expert witness, and reporting investigation results. This course requires three hours of lecture and additional independent lab time as necessary per week. (Prerequisites: NETW-106, NETW-107, and NETW-110 (or two of the three and department permission))

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[NETW236](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Courses:
- NETW106 - Introduction to Networking TCP/IP - NETW107 - Introduction to Security - NETW110 - Introduction to UNIX Network Admin
OR
Criteria 2
Fulfill ALL of the following requirements:

Criteria 2A Complete at least 2 of the following courses: • NETW106 - Introduction to Networking TCP/IP • NETW107 - Introduction to Security • NETW110 - Introduction to UNIX Network Admin	AND	Criteria 2B AND: • Department permission.

Name	Outcome
NETW236 - CLO 9	Describe incident and intrusion response.

Name	Outcome
NETW236 - CLO 10	Analyze trends in and resources for digital forensics.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
NETW236 - CLO 1	Identify the basic principles of computer forensics.

Name	Outcome
NETW236 - CLO 2	Summarize important laws regarding computer forensics.

Name	Outcome
NETW236 - CLO 3	Describe various computer crimes and how they are investigated.

Name	Outcome
NETW236 - CLO 4	Employ digital forensic methodology and labs.

Name	Outcome
NETW236 - CLO 5	Outline the proper approach to collecting, seizing, and protecting evidence.

Name	Outcome
NETW236 - CLO 6	Explain techniques for hiding and scrambling information as well as how data is recovered.

Name	Outcome
NETW236 - CLO 7	Compare various types of digital forensics.

Name	Outcome
NETW236 - CLO 8	Perform a network analysis.

NETW237 - Perimeter Security

Course Information

Course Number
237

Course Title (long)
Perimeter Security

Course Description
This course provides students with the theory and skills needed to secure networks using virtual private networks (VPNs) and firewalls. Various network security-related issues, including risks, threats, and vulnerabilities are introduced and examined. The focus is on best practices and strategies for network security and incident response. Different types of VPNs for securing data in an organization are discussed as well as the benefits and architecture of a VPN and how to implement a VPN. Other topics include the utility and the limitations of a firewall. Instruction is also given on the functionality of a firewall, how to construct, configure, and administer a firewall, secure network design, and layered network security strategies. This course requires three hours of lecture and additional independent time as necessary to complete course projects and assignments. (Prerequisites: NETW-106, NETW-107, and NETW-110 [or two of the three and department permission])

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[NETW237](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

• NETW106 - Introduction to Networking TCP/IP

• NETW107 - Introduction to Security

• NETW110 - Introduction to UNIX Network Admin

OR

Criteria 2

Fulfill ALL of the following requirements:

Criteria 2A

- Complete at least 2 of the following courses:
- NETW106 - Introduction to Networking TCP/IP
 - NETW107 - Introduction to Security
 - NETW110 - Introduction to UNIX Network Admin

AND

Criteria 2B

- AND:
- Department permission.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NETW237 - CLO 1	Outcome Describe common perimeter security technologies and the functions performed by firewalls and VPNs.
Name NETW237 - CLO 2	Outcome Identify and apply network security management best practices and strategies for responding when security measures fail.
Name NETW237 - CLO 3	Outcome Manage and monitor firewalls, and understand their limitations.
Name NETW237 - CLO 4	Outcome Assess firewall design strategies and apply firewall management best practices.

NETW238 - Hacker Techniques, Tools and Incident Handling

Course Information

Course Number
238

Course Title (long)
Hacker Techniques, Tools and Incident Handling

Course Description
This course provides students with the theory and skills required in the fields of ethical hacking and incident handling. Areas of instruction include various tools and techniques, vulnerabilities of operating systems, software and networks used by hackers to access unauthorized information, and techniques and technologies to defend against these attacks. This course also addresses incident handling methods used when information security is compromised. This course requires three hours of lecture and additional independent time as necessary to complete course projects and assignments. (Prerequisites: NETW-106, NETW-107, and NETW-110 [or two of the three and department permission])

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Engineering & Technology

Syllabus (Ctrl + click)
[NETW238](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

• NETW106 - Introduction to Networking TCP/IP

• NETW107 - Introduction to Security

• NETW110 - Introduction to UNIX Network Admin

OR

Criteria 2

Fulfill ALL of the following requirements:

Criteria 2A

Complete at least 2 of the following courses:

• NETW106 - Introduction to Networking TCP/IP

• NETW107 - Introduction to Security

• NETW110 - Introduction to UNIX Network Admin

AND

Criteria 2B

AND:

• Department permission.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NETW238 - CLO 1	Outcome Explain the ethical and legal implications of hacking and penetration testing.
Name NETW238 - CLO 2	Outcome Identify common information gathering tools and techniques.
Name NETW238 - CLO 3	Outcome Analyze how port scanning and fingerprinting are used by hackers.
Name NETW238 - CLO 4	Outcome Analyze how enumeration is used in conjunction with system hacking.
Name NETW238 - CLO 5	Outcome Analyze wireless network vulnerabilities exploited by hackers.
Name NETW238 - CLO 6	Outcome Perform web and database attacks.
Name NETW238 - CLO 7	Outcome Identify and remove common types of malware from infected systems.
Name NETW238 - CLO 8	Outcome Identify Trojans, backdoors, and covert communication methods.

Name NETW238 - CLO 9	Outcome Perform network traffic analysis and sniffing by using appropriate tools.
Name NETW238 - CLO 10	Outcome Analyze systems using Linux tools.
Name NETW238 - CLO 11	Outcome Perform incident handling by using appropriate methods.
Name NETW238 - CLO 12	Outcome Compare and contrast defensive technologies.

NETW243 - Computer Repair & Maintenance

Course Information

Course Number 243	Course Title (long) Computer Repair & Maintenance
Course Description This course provides students with the knowledge and skills needed to test, troubleshoot, repair and upgrade a personal computer (PC). The student will learn to install, configure, maintain, and troubleshoot the Windows operating system. They will also learn to install, configure, maintain, and troubleshoot the hardware, components, and peripherals of a typical PC system.(Prerequisite: Any 100-level NETW course or department approval)	

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[NETW243](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
NETW 100-Level Courses
OR
Criteria 2
OR:
Department approval.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NETW243 - CLO 1	Outcome Troubleshoot, repair and upgrade a personal computer.
Justification (Communication, Critical Thinking, Mathematical/Scientific Reasoning, technological literacy)	

Name NETW243 - CLO 2	Outcome Install operating systems such as DOS and Windows.
Justification (Communication, Critical Thinking, Mathematical/Scientific Reasoning, technological literacy)	

NETW253 - Juniper Network Routers

Course Information

Course Number
253

Course Title (long)
Juniper Network Routers

Course Description
This course focuses on installation, configuration, operational analysis, and troubleshooting of Juniper Networks routers. Student will be introduced to Juniper Networks M-series and J-series Enterprise Routing platforms. Students will configure routers using the J-Web graphical user interface (GUI) and the JUNOS software command-line interface (CLI). Real-world configuration and operational monitoring case studies are provided for general router configuration and for RIP, static, and OSPF routing. The class also provides an overview of common services such as the Virtual Router Redundancy Protocol (VRRP), the Multilink Point-to-Point Protocol (MLPPP) and Network Address Translation (NAT). Significant time will be allocated for hands-on experience. NOTE: This course is offered only in the Spring term. (Prerequisite: NETW-151 or instructor approval. Prerequisite is a basic understanding of the TCP/IP protocols. While not required, familiarity with the command-line interface of a routing platform of UNIX system is helpful. Prerequisite or Corequisite: NETW-152 or instructor approval)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Syllabus (Ctrl + click)
[NETW253](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Courses: NETW152 - Virtual LANs and WANs/CCNA
OR
Criteria 2

OR:

- Instructor approval.

Corequisite

Type

Corequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Enroll in the following Courses:

- NETW152 - Virtual LANs and WANs/CCNA

OR

Criteria 2

OR:

- Instructor approval.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NETW253 - CLO 1	Outcome Install, configure, operate, and troubleshoot J-series Juniper routers connected in local-area networks (LANs) and wide-area networks (WANs)
Name NETW253 - CLO 2	Outcome Select and implement the technologies necessary to redistribute between and to support multiple, advanced, IP routing protocols.
Name NETW253 - CLO 3	Outcome Configure and test edge router connectivity (either single or multihomed connection) when given a network specification.
Name NETW253 - CLO 4	Outcome Implement solutions in a laboratory environment when given a specification containing multiple routed and routing protocols .

NETW299 - Networking Internship

Course Information

Course Number 299	Course Title (long) Networking Internship
Course Description This course will allow the student to gain practical work experience by participating in a networking-related career position with an approved company or institution. The course includes a service-learning component. (Prerequisites: Completion of 18 credits in networking courses [2 semesters], matriculation as a Network Information Technology (NIT) major, and permission of instructor and Career Services Representative)	

Credit Hours

Min: 1	Max: 3	School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Engineering & Technology

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- Completion of 18 credits in networking courses [2 semesters].
- Matriculation as a Network Information Technology (NIT) major.
- Permission of instructor and Career Services Representative.

NURS106 - Introduction to Associate Degree Nursing

Course Information

Course Number
106

Course Title (long)
Introduction to Associate Degree Nursing

Course Description
This pre-nursing course introduces the student to the realm of Associate Degree nursing. Emphasis will be placed on problem-solving, critical thinking and application--those concepts essential to the role of the Associate Degree Nurse. The nursing process will be introduced, as well as therapeutic communication skills and basic physical assessment techniques. Health, professional and wellness topics will be integrated throughout the course. Medical terminology will also be integrated.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS106](#)

NURS111 - Professional Roles I

Course Information

Course Number
111

Course Title (long)
Professional Roles I

Course Description
Professional roles I introduces the student to the nursing profession and the role and responsibilities of the associate degree student and graduate in contemporary health care systems based practice. Building upon legal and ethical principles, regulatory guidelines and professional standards, nursing leadership at the bedside is developed utilizing critical thinking and clinical reasoning and decision making. Basic concepts of time management, prioritization of patient care, information literacy, and information technology and teamwork and collaboration are included in the course (Prerequisites: HESC-107, BIOL-111 [with a grade of 'C' or better]; ENGL-121 and PSYC-106)

Credit Hours
Min:
1

Billing Hours
Min:
1

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS111](#)

Course Requirements

Simple Requisites

Prerequisites
Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: HESC107 - Health Care Career Exploration
General Education I Earn a minimum grade of "C" in the following: BIOL111 - Anatomy and Physiology I
General Education II Complete ALL of the following Courses: - ENGL121 - English Composition:The Writing Process - PSYC106 - Introduction to Psychology II: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name NURS111 - CLO 1	Outcome Practice critical thinking and clinical reasoning and decision-making skills in simulated healthcare situations to provide patient centered care.
Name NURS111 - CLO 2	Outcome Integrate the Nurse Practice Act, ANA Standards of Practice, and the Code of Ethics for nurses into the role of the professional nurse.
Name NURS111 - CLO 3	Outcome Identify legal and ethical issues that affect patient care and nursing practice.
Name NURS111 - CLO 4	Outcome Demonstrate basic nursing and healthcare Information literacy.
Name NURS111 - CLO 5	Outcome Develop time management skills and prioritization skills for individual patient care.
Name NURS111 - CLO 6	Outcome Identify the role of the nurse as a leader at the bedside within associate nursing degree education.
Name NURS111 - CLO 7	Outcome Describe scope of practice and roles of interdisciplinary and nursing health care team members.
Name NURS111 - CLO 8	Outcome Utilize the National Council of State Board of Nursing (NCSBN) NCLEX test plan to initiate a professional development portfolio.

NURS112 - Professional Roles II

Course Information

Course Number
112

Course Title (long)
Professional Roles II

Course Description
Professional roles II builds upon professional roles I to include professional nursing roles in patient advocacy and referrals; teaching and learning; collegial communication, interdisciplinary collaboration and conflict resolution; and provisions of continuity of care, including the uses of standardized communication and information technology systems in practice settings. (Prerequisites: A grade of "C" or higher in BIOL-111, BIOL-112, HESC-107, NURS-111, NURS-125, NURS-171; and ENGL-121 and PSYC-106; Admission to the Nursing Program.)

Credit Hours

Min:
1

Billing Hours

Min:
1

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS112](#)

Course Requirements

Simple Requisites

Prerequisites

Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- BIOL111 - Anatomy and Physiology I
- BIOL112 - Anatomy and Physiology II
- HESC107 - Health Care Career Exploration
- NURS111 - Professional Roles I
- NURS125 - Pharmacology for Nurses
- NURS171 - Nursing Concepts I

General Education I

Earn a minimum grade of "C" in the following:

- BIOL111 - Anatomy and Physiology I
- BIOL112 - Anatomy and Physiology II

General Education II

Complete ALL of the following Courses:

- ENGL121 - English Composition: The Writing Process
- PSYC106 - Introduction to Psychology II: Personality & Social Aspects

Admission Requirements

Fulfill ALL of the following requirements:

- Admission to the Nursing Program.

Outcome

Add to student portfolio including study schedule, NCLEX preparation plans, and professional goals.

Name

NURS112 - CLO 8

Course Learning Outcomes

Upon completion of this course the student will be able to:

Name

NURS112 - CLO 1

Outcome

Describe the role and responsibilities of patient advocate, including informed consent.

Name

NURS112 - CLO 2

Outcome

Identify appropriate referrals by nursing to healthcare team members depending upon areas of expertise and responsibilities.

Name

NURS112 - CLO 3

Outcome

Demonstrate the ability to provide and receive report using standardized hand off communication and written and electronic transition of care information.

Name

NURS112 - CLO 4

Outcome

Identify required roles and responsibilities in the procedures necessary to safely admit, transfer or discharge a client.

Name

NURS112 - CLO 5

Outcome

Identify patient care issues that require additional formal follow up in the healthcare setting.

Name

NURS112 - CLO 6

Outcome

Discuss effective strategies for effective collegial communicating and resolving conflict in the healthcare team, including strategies to minimize lateral violence.

Name

NURS112 - CLO 7

Outcome

Discuss the principles of social networking and the nurse.

NURS125 - Pharmacology for Nurses

Course Information

Course Number
125

Course Title (long)
Pharmacology for Nurses

Course Description

This course introduces the student to the basic principles of pharmacology and the role of the nurse in medication administration across the lifespan. Students will be expected to complete accurate mathematical calculations related to medications and perform psychomotor skills to demonstrate safe medication administration in a simulated patient-care setting. (Prerequisites: HESC-107, BIOL-111 [grade of C or better]; ENGL-121 and PSYC-106)

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS125](#)

Course Requirements

Simple Requisites

Prerequisites

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- HESC107 - Health Care Career Exploration

General Education I

Earn a minimum grade of "C" in the following:

- BIOL111 - Anatomy and Physiology I

General Education II

Complete ALL of the following Courses:

- ENGL121 - English Composition:The Writing Process
- PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name

NURS125 - CLO 1

Outcome

Describe characteristics of major groups and selected individual medications in terms of the following: mechanism(s) of action; drug effects; therapeutic uses; side effects and adverse effects; techniques of administration; toxicity and management of overdoses; drug interactions and patient teaching.

Name

NURS125 - CLO 2

Outcome

Describe the nursing role in drug therapy as it relates to: Application of the nursing process and clinical decision-making skills.

Name

NURS125 - CLO 3

Outcome

Describe the nursing role in drug therapy as it relates to: Nursing responsibilities related to safe and effective medication administration, monitoring and teaching.

Name

NURS125 - CLO 4

Outcome

Describe the nursing role in drug therapy as it relates to: Promoting physiological and psychological wellness.

Name

NURS125 - CLO 5

Outcome

Describe the nursing role in drug therapy as it relates to: Documenting therapeutic or non-therapeutic effects.

Name

NURS125 - CLO 6

Outcome

Describe the nursing role in drug therapy as it relates to: Major issues/concerns in drug therapy across the lifespan.

Name

NURS125 - CLO 7

Outcome

Validate safe and effective patient centered medication administration and evaluation within the ethical and legal parameters of professional nursing practice involving pharmaco-therapeutics, including those specified in the Nursing Practice Act, the ANA Scope and Standards of Practice, and the Code of Ethics for nurses.

Name NURS125 - CLO 8	Outcome Utilize technology and the electronic health record to calculate, reconcile, administer, and document drug therapy and effects.

Name NURS125 - CLO 9	Outcome Validate information literacy and use of evidence-based practice in obtaining nursing drug knowledge and the administration of medications.

NURS160LAB - Introduction to Human Needs Lab

Course Information

Course Number
160LAB

Course Title (long)
Introduction to Human Needs Lab

Credit Hours

Min:
0

Department(s) ~*
Nursing

NURS161 - Nursing and Human Needs I

Course Information

Course Number
161

Course Title (long)
Nursing and Human Needs I

Course Description

This Nursing Course focuses on the Human Needs Framework, health assessment and the elements of reasoning used in critical thinking. The student uses caring interventions, communication techniques and teaching/learning interventions to care for adult, geriatric and oncology clients. (Prerequisites: NURS-160, PSYC-106 and BIOL-111)

Credit Hours

Min:
7

Billing Hours

Min:
7

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS161](#)

Course Requirements

Simple Requisites

Prerequisites
Type
Prerequisite
Career Studies Complete ALL of the following Courses:
General Education Complete ALL of the following Courses: - BIOL111 - Anatomy and Physiology I - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

NURS161CLIN - Nursing & Human Needs I Clinical

Course Information

Course Number
161CLIN

Course Title (long)
Nursing & Human Needs I Clinical

Credit Hours

Min:
0

Department(s) ~*

Nursing

NURS162 - Nursing and Human Needs II

Course Information

Course Number
162

Course Title (long)
Nursing and Human Needs II

Course Description

In Nursing 162, the student uses the Human Needs Framework to care for individuals undergoing surgery and for those with alterations in mobility. The needs of the childbearing and child caring family and issues of human sexuality are also addressed. Students will have opportunity to practice skills in the nursing skills laboratory and in the clinical settings. (Prerequisites: NURS-161, BIOL-112 and PSYC-208)

Credit Hours

Min:
8

Billing Hours

Min:
8

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)

[NURS162](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Complete ALL of the following Courses:
- NURS161 - Nursing and Human Needs I - BIOL112 - Anatomy and Physiology II - PSYC208 - Life Span Development

NURS162CLIN - Nurs & Human Needs II Clinical

Course Information

Course Number
162CLIN

Course Title (long)
Nurs & Human Needs II Clinical

Credit Hours

Min:
0

Department(s) ~*
Nursing

NURS163 - Nursing and Human Needs in the Community

Course Information

Course Number
163

Course Title (long)
Nursing and Human Needs in the Community

Course Description
This course examines human needs in the community. The influence of the family, cultural diversity and financial concerns on the delivery of community-based care is explored. In addition, the varied roles and practice settings of the community-based nurse and the basic principles of epidemiology are discussed. (Prerequisite or Corequisite: NURS-160)

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses:
Corequisite Type Corequisite Career Studies Enroll in the following Courses:

NURS165 - Issues in Nursing

Course Information

Course Number
165

Course Title (long)
Issues in Nursing

Course Description
This course introduces students to current issues in nursing and health care. A range of topics is explored from philosophical, theoretical, ethical, social, economic, historical and research perspectives. A critical thinking approach that incorporates the elements of reasoning and universal intellectual standards focuses the student on generating new thoughts, understandings, beliefs and insights. (Prerequisite: A grade of "C" or higher in NURS-160 or a grade of "C" or higher in NURS-111 and NURS-171)

Credit Hours
Min:
2

Billing Hours
Min:
2

School Division Department(s) ~*
School of Health Sciences Division of Health Science Nursing

Syllabus (Ctrl + click)
[NURS165](#)

Course Requirements

Simple Requisites

Prerequisites

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

OR

Criteria 2

Earn a minimum grade of "C" in the following:

NURS111 - Professional Roles I

AND NURS171 - Nursing Concepts I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NURS165 - CLO 1	Outcome Evaluate how well the health care delivery system meets the needs of the citizens of this country.
Name NURS165 - CLO 2	Outcome Integrate historical and social perspectives into an analysis of contemporary nursing.
Name NURS165 - CLO 3	Outcome Apply ethical principles to various nursing issues.
Name NURS165 - CLO 4	Outcome Explore the legal parameters of practice including civil, criminal, and regulatory perspectives.
Name NURS165 - CLO 5	Outcome Evaluate selected research studies.
Name NURS165 - CLO 6	Outcome Analyze how the use of power shapes the nursing environment.

NURS171 - Nursing Concepts I

Course Information

Course Number
171

Course Title (long)
Nursing Concepts I

Course Description
This course introduces students to nursing concepts, knowledge, skills and attitudes that will be developed throughout the program. The student will learn the role of the nurse in providing patient-centered care and develop clinical reasoning and decision-making skills as a foundation for the nursing process. Upon completion, students should be able to provide safe nursing care incorporating the concepts identified in this course. Students will have opportunity to practice and apply knowledge and skills in the nursing skills laboratory and in multiple clinical settings. (Prerequisite: HESC-107 and BIOL-111 [grade of C or better]; PSYC-106 and ENGL-121. Prerequisite or corequisite: NURS-111 and NURS-125)

Credit Hours
Min:
6

Billing Hours
Min:
6

School Division Department(s) ~*
School of Health Sciences Division of Health Science Nursing

Syllabus (Ctrl + click)
[NURS171](#)

Course Requirements

Simple Requisites

Prerequisites Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: HESC107 - Health Care Career Exploration
Career Studies II Complete ALL of the following Courses: - NURS111 - Professional Roles I - NURS125 - Pharmacology for Nurses
General Education I Earn a minimum grade of "C" in the following: BIOL111 - Anatomy and Physiology I
General Education II Complete ALL of the following Courses: - ENGL121 - English Composition:The Writing Process - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Corequisites
Type
Corequisite

Career Studies Enroll in the following Courses: - NURS111 - Professional Roles I - NURS125 - Pharmacology for Nurses - NURS171CLIN - Nursing Concepts I Clinical

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name NURS171 - CLO 1	Outcome Perform comprehensive health assessments on individuals to provide holistic patient centered care.
Name NURS171 - CLO 2	Outcome Integrate concepts of patient-centered care, basic therapeutic communication, safety, homeostasis, comfort-rest, and immobility in the nursing process.
Name NURS171 - CLO 3	Outcome Demonstrate accountability for safe nursing practice, utilizing basic legal/ethical principles to guide critical thinking, clinical reasoning and decision making that apply to patient care.
Name NURS171 - CLO 4	Outcome Utilize an understanding of the physiological, psychological, sociocultural, developmental, and spiritual influences on communications between the nurse and the patient to develop a therapeutic relationship.
Name NURS171 - CLO 5	Outcome Define the role and responsibilities of the nurse as patient advocate, assisting patient in navigating through the health care system.

Name NURS171 - CLO 6	Outcome Plan, organize and deliver patient care within scope of practice, as a member of the health care team utilizing appropriate verbal, written and electronic documentation of care.

Name NURS171 - CLO 7	Outcome Describe the concept of evidence-based practice (EBP), including the components of information literacy, by incorporating the National Patient Safety Goals into practice to promote safety and effective nursing care.

NURS171CLIN - Nursing Concepts I Clinical

Course Information

Course Number
171CLIN

Course Title (long)
Nursing Concepts I Clinical

Credit Hours

Min:
0

Department(s) ~*
Nursing

NURS172 - Nursing Concepts II

Course Information

Course Number
172

Course Title (long)
Nursing Concepts II

Course Description

This course develops the nursing knowledge, skills and attitudes of the student in providing patientcentered care to adults with common problems of homeostasis related to concepts of oxygenation, perfusion, metabolism elimination and cognition and memory. The student will also learn to provide nursing care for adults with adaptive and maladaptive psychosocial behaviors. Communication, the nursing process, clinical reasoning and clinical decision-making continue to be emphasized (Prerequisites: A grade of "C" or higher in BIOL-111, BIOL-112 HESC-107 NURS-111, NURS-125, NURS-171; and ENGL-121, PSYC-106; Admission to the Nursing Program; Prerequisite or Corequisite: A grade of "C" or higher in NURS-112)

Credit Hours

Min:
6

Billing Hours

Min:
6

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS172](#)

Course Requirements

Simple Requisites

Prerequisites
Type
Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - HESC107 - Health Care Career Exploration - NURS111 - Professional Roles I - NURS112 - Professional Roles II - NURS125 - Pharmacology for Nurses - NURS171 - Nursing Concepts I
General Education I Complete ALL of the following Courses: - BIOL111 - Anatomy and Physiology I - BIOL112 - Anatomy and Physiology II
General Education II Complete ALL of the following Courses: - ENGL121 - English Composition:The Writing Process - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Admission Requirement

Fulfill ALL of the following requirements:

- Admission to the Nursing Program.

Corequisites

Type

Corequisite

Career Studies I

Earn a minimum grade of "C" in the following:

- NURS112 - Professional Roles II

Career Studies II

Enroll in the following Courses:

- NURS172CLIN - Nursing Concepts II Clinical

Outcome

Demonstrate responsibility and accountability in using current evidence coupled with clinical judgment and consideration of patients' preferences, experience, and values to make practice decisions.

Name

NURS172 - CLO 5

NURS172CLIN - Nursing Concepts II Clinical

Course Information

Course Number

172CLIN

Course Title (long)

Nursing Concepts II Clinical

Credit Hours

Min:

0

Department(s) ~*

Nursing

Course Learning Outcomes

Brookdale Community College provides a program that prepares graduates who will function effectively with patients, families, and interdisciplinary teams, fostering mutual respect and shared decision making to enhance patient satisfaction and health outcomes. The graduate will:

Name

NURS172 - CLO 1

Outcome

Use clinical reasoning and critical thinking to provide holistic patient-centered care to diverse patient populations with common health care needs.

Name

NURS172 - CLO 2

Outcome

Demonstrate accountability and responsibility for own behavior and nursing practice based upon legal and ethical principles, regulatory guidelines, and professional standards.

Name

NURS172 - CLO 3

Outcome

Manage patient care as a member of the health care team through effective communication, interdisciplinary collaboration, and information technology to support decision making within systems-based practice.

Name

NURS172 - CLO 4

Outcome

Participate in initiatives to minimize the risk of harm to self and patients and optimize the quality and safety of patient care through individual performance and system effectiveness, as well as effectiveness of patient teaching and advocacy.

NURS211 - Professional Roles III

Course Information

Course Number
211

Course Title (long)
Professional Roles III

Course Description
Professional Roles III expands the professional role of registered nurse as a case manager and patient educator across the lifespan and in the community including advanced directives; Nursing standards of care and national standards of health care; working in a culture of safety and participation in performance improvement and reporting of errors, work-arounds, never events, and sentinel events.(Prerequisites: A grade of "C" or higher in BIOL-111, BIOL-112, HESC-107, NURS-111, NURS-112- NURS-125, NURS-171, NURS-172; and ENGL- 121, PSYC-106 and PSYC-208; Admission to the Nursing Program)

Credit Hours

Min:
1

Billing Hours

Min:
1

School Division Department(s) ~*
School of Health Sciences Division of Health Science Nursing

Syllabus (Ctrl + click)
[NURS211](#)

Course Requirements

Simple Requisites

Prerequisites
Type
Prerequisite
Career Studies
Earn a minimum grade of "C" in the following:
- HESC107 - Health Care Career Exploration - NURS111 - Professional Roles I - NURS112 - Professional Roles II - NURS125 - Pharmacology for Nurses - NURS171 - Nursing Concepts I - NURS172 - Nursing Concepts II
General Education I
Earn a minimum grade of "C" in the following:
- BIOL111 - Anatomy and Physiology I - BIOL112 - Anatomy and Physiology II
General Education II
Complete ALL of the following Courses:
- ENGL121 - English Composition:The Writing Process - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects - PSYC208 - Life Span Development

Admission Requirements

- Fulfill ALL of the following requirements:
- Admission to the Nursing Program.

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name NURS211 - CLO 1	Outcome Identify the role of the nurse as a case manager.
Name NURS211 - CLO 2	Outcome Delineate the legal and ethical responsibilities of the nurse as a patient, family and community health educator Describe the role and responsibilities of patient advocate, including informed consent.
Name NURS211 - CLO 3	Outcome Integrate advance directives into patient plan of care including knowledge of living will, health care proxy, Durable Power of Attorney for Health Care [DPAHC]).
Name NURS211 - CLO 4	Outcome Evaluate ANA Standards of Practice in context of state health regulations and accrediting organizations' standards of cares.
Name NURS211 - CLO 5	Outcome Describe the safety culture within healthcare systems, including nursing role in reporting adverse effects, errors, work-arounds, never events, sentinel events, conditions required by law, and unsafe practices by health care team members.
Name NURS211 - CLO 6	Outcome Review quality improvement processes and quality improvement tools in health care organizations .
Name NURS211 - CLO 7	Outcome Incorporate quality plan in professional portfolio.

NURS213 - Professional Roles IV

Course Information

Course Number
213

Course Title (long)
Professional Roles IV

Course Description
Professional Roles IV is the capstone professional roles course in which students demonstrate leadership at the bedside by managing and coordinating care of groups of patients with clinical agency staff preceptors and faculty. Content includes the structure and economics of the health care delivery systems; assignment, delegation and supervision of health care team members; evaluation of quality improvement initiatives; and the evaluation of management functions within systems-based practice. Students will also complete their professional portfolio including resume development and finalizing the NCLEX preparation process. (Prerequisite(s): A grade of "C" or higher in BIOL-111, BIOL-112, BIOL-213, HESC-107, NURS-111, NURS-112, NURS-125, NURS-171, NURS-172, NURS-211, NURS-271; and ENGL-121, PSYC-106, PSYC-208; Admission to the Nursing Program; Prerequisite or Corequisite: A grade of "C" or higher in NURS-273)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS-213](#)

Course Requirements

Simple Requisites

Prerequisites Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - HESC107 - Health Care Career Exploration - NURS111 - Professional Roles I - NURS112 - Professional Roles II - NURS125 - Pharmacology for Nurses - NURS171 - Nursing Concepts I - NURS172 - Nursing Concepts II - NURS211 - Professional Roles III - NURS271 - Nursing Concepts III - NURS273 - Nursing Concepts IV
General education I Earn a minimum grade of "C" in the following: BIOL111 - Anatomy and Physiology I

- BIOL112 - Anatomy and Physiology II - BIOL213 - Microbiology
General Education II Complete ALL of the following Courses: - ENGL121 - English Composition:The Writing Process - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects - PSYC208 - Life Span Development
Admission Requirement Fulfill ALL of the following requirements: Admission to the Nursing Program.

Corequisite Type Corequisite
Career Studies Enroll in the following Courses: NURS273 - Nursing Concepts IV

Course Learning Outcomes

Name NURS213 - CLO 1	Outcome Implement leadership and management skills essential to the practice of nursing within the scope of associate degree nursing education in providing care for groups of patients.

Name NURS213 - CLO 2	Outcome Demonstrate accountability for assigning, delegating, and supervising members of the nursing team in achieving patient care goals based upon regulatory guidelines, and professional standards.

Name NURS213 - CLO 3	Outcome Utilize clinical reasoning, collegial and evidence-based practice when organizing workload, establishing priorities, and managing time effectively to provide evidence based patient centered care to multiple patients.

Name NURS213 - CLO 4	Outcome Participates in quality improvement initiatives in the healthcare setting and evaluate patient outcomes.

Name NURS213 - CLO 5	Outcome Evaluate care for multiple patients with consideration of patients' preferences, experience, and values to make practice decisions.

NURS261 - Nursing and Human Needs III

Course Information

Course Number
261

Course Title (long)
Nursing and Human Needs III

Course Description
In Nursing III, the student uses the Human Needs Framework to care for individuals with alterations in mental health, oxygenation, tissue perfusion and metabolism. Students will have opportunity to practice and apply knowledge and skills in the nursing skills laboratory and in multiple clinical settings.(Prerequisites: A grade of "C" or higher in BIOL-111, BIOL-112, BIOL-213, NURS-160, NURS-161, NURS-162; and ENGL-121, PSYC-106, PSYC-208; Admission to the Nursing Program.)

Credit Hours

Min:
8

Billing Hours

Min:
8

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS261](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Earn a minimum grade of "C" in the following: - BIOL111 - Anatomy and Physiology I - BIOL112 - Anatomy and Physiology II - BIOL213 - Microbiology - NURS161 - Nursing and Human Needs I - NURS162 - Nursing and Human Needs II General Education Complete ALL of the following Courses: - ENGL121 - English Composition:The Writing Process - PSYC106 - Introduction to Psychology II: Personality & Social Aspects - PSYC208 - Life Span Development Admission Requirement Fulfill ALL of the following requirements: - Admission to the Nursing Program.

NURS261CLIN - Nurs & Human Needs III Clinica

Course Information

Course Number
261CLIN

Course Title (long)
Nurs & Human Needs III Clinica

Credit Hours

Min:
0

Department(s) ~*
Nursing

NURS262 - Nursing and Human Needs IV

Course Information

Course Number
262

Course Title (long)
Nursing and Human Needs IV

Course Description
In Nursing 262, students use the Human Needs Framework to care for clients with alterations in nutrition, absorption, elimination, sensation and perception. Students will have opportunity to practice and apply knowledge and skills in the nursing skills laboratory and in multiple clinical settings. (Prerequisites: A grade of "C" or higher in BIOL-111, BIOL-112, BIOL-213, NURS-160, NURS-161, NURS-162, NURS-261; and ENGL-121, PSYC-106, PSYC-208; Admission to the Nursing Program.)

Credit Hours

Min:
6

Billing Hours

Min:
6

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS262](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - BIOL111 - Anatomy and Physiology I - BIOL112 - Anatomy and Physiology II - BIOL213 - Microbiology - NURS161 - Nursing and Human Needs I - NURS162 - Nursing and Human Needs II - NURS261 - Nursing and Human Needs III
General Education Complete ALL of the following Courses: - ENGL121 - English Composition:The Writing Process - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects - PSYC208 - Life Span Development
Admission Requirement Fulfill ANY of the following requirements: Admission to the Nursing Program.

NURS262CLIN - Nurs & Human Needs IV Clinical

Course Information

Course Number
262CLIN

Course Title (long)
Nurs & Human Needs IV Clinical

Credit Hours

Min:
0

Department(s) ~*
Nursing

NURS263 - Managing and Coordinating Nursing Care

Course Information

Course Number
263

Course Title (long)
Managing and Coordinating Nursing Care

Course Description
In Managing and Coordinating Nursing Care, students use the Human Needs Framework to integrate nursing management concepts and principles in planning the care of groups of clients in the acute care setting. (Prerequisites: A grade of "C" or higher in BIOL-111, BIOL-112, BIOL-213, NURS-160, NURS-161, NURS-162, NURS-261; and ENGL-121, PSYC-106, PSYC-208; Admission to the Nursing Program; Prerequisite or Corequisite: A grade of "C" or higher in NURS-262)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS263](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - BIOL111 - Anatomy and Physiology I - BIOL112 - Anatomy and Physiology II - BIOL213 - Microbiology - NURS161 - Nursing and Human Needs I - NURS162 - Nursing and Human Needs II - NURS261 - Nursing and Human Needs III - NURS262 - Nursing and Human Needs IV
General Education Complete ALL of the following Courses: - ENGL121 - English Composition:The Writing Process - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects - PSYC208 - Life Span Development
Fulfill ALL of the following requirements: Admission to the Nursing Program.

Corequisite
Type
Corequisite

Career Studies

Earn a minimum grade of "C" in the following:

- NURS262 - Nursing and Human Needs IV

NURS263CLIN - Manag & Coord Nurs Care Clinic

Course Information

Course Number
263CLIN

Course Title (long)
Manag & Coord Nurs Care Clinic

Credit Hours
Min:
0

Department(s) ~*
Nursing

NURS271 - Nursing Concepts III

Course Information

Course Number
271

Course Title (long)
Nursing Concepts III

Course Description
This course prepares the student with the nursing knowledge, skills and attitudes to provide patient-centered care for the family across the lifespan. The student will also learn to provide nursing care for patients with problems in cellular regulation, protection, immunity, infection and inflammation. Application of communication, the nursing process, clinical reasoning and clinical decision-making will be expanded. (Prerequisites: A grade of "C" or higher in BIOL-111, BIOL-112, HESC-107, NURS-111, NURS-112-NURS-125, NURS-171, NURS-172; and ENGL-121, PSYC-106, PSYC-208; Admission to the Nursing Program; Prerequisite or corequisite: A grade of "C" or higher in NURS-211)

Credit Hours

Min:
7

Billing Hours

Min:
7

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Nursing

Syllabus (Ctrl + click)
[NURS271](#)

Course Requirements

Simple Requisites

Prerequisites
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- HESC107 - Health Care Career Exploration
- NURS111 - Professional Roles I
- NURS112 - Professional Roles II
- NURS125 - Pharmacology for Nurses
- NURS171 - Nursing Concepts I
- NURS172 - Nursing Concepts II
- NURS211 - Professional Roles III

General Education I

Earn a minimum grade of "C" in the following:

- BIOL111 - Anatomy and Physiology I
- BIOL112 - Anatomy and Physiology II

General Education II

Complete ALL of the following Courses:

- ENGL121 - English Composition:The Writing Process
- PSYC106 - Introduction to Psychology Ii: Personality & Social

Aspects PSYC208 - Life Span Development
Admission Requirements Fulfill ALL of the following requirements: Admission to the Nursing Program.
Corequisite Type Corequisite
Career Studies Earn a minimum grade of "C" in the following: NURS211 - Professional Roles III

Course Learning Outcomes

Upon completion of this course, the student will be able to:

Name NURS271 - CLO 1	Outcome Perform health assessments of patients and families across the lifespan with the identification of developmental stages and transitions within the structure of the nursing process.
Name NURS271 - CLO 2	Outcome Integrate understanding of multiple dimensions of patient-centered care: patient, family, community preferences, values; coordination and integration of care; information, communication, and education; physical comfort and emotional support; involvement of family and significant other; and transition and continuity in the delivery of holistic care to patients and families across the lifespan.
Name NURS271 - CLO 3	Outcome Assess the environmental, sociocultural, and psychosocial factors that influence the health status of individuals as members of a community.
Name NURS271 - CLO 4	Outcome Use the nursing process to identify the health needs of various groups in a community and to assess available resources to address these needs.

Name NURS271 - CLO 5	Outcome Exercise critical thinking in recognizing the relationship between personal health, self-renewal, and the ability to deliver sustained quality care as accountable nursing professionals.
Name NURS271 - CLO 6	Outcome Demonstrate safe and effective medication administration, documentation, and education to patients and families across the lifespan.
Name NURS271 - CLO 7	Outcome Plan, organize, deliver, and document patient care across the lifespan to the family within the context of the health care setting and the community.
Name NURS271 - CLO 8	Outcome Adapt nursing communication, distinguishing between effective and ineffective communication, based upon ongoing patient and family assessment.
Name NURS271 - CLO 9	Outcome Uses education and referrals to assist the patient and family through transitions across the continuum of health care and the lifespan.
Name NURS271 - CLO 10	Outcome Describe how patients, families, individual clinicians, health care teams, community, and systems can contribute to promoting safety and reducing errors through information literacy, evidence-based practice, and the use of technologies.
Name NURS271 - CLO 11	Outcome Participate in the use of quality improvement processes to improve patient, family, and community health care.

Name NURS271 - CLO 12	Outcome Implement developmentally focused teaching plans based upon factors that influence the patient's and family's ability to learn, including readiness to learn, preferences for learning style, and levels of health literacy.

NURS271CLIN - Nursing Concepts III Clinical

Course Information

Course Number

271CLIN

Course Title (long)

Nursing Concepts III Clinical

Credit Hours

Min:

0

Department(s) ~*

Nursing

NURS273 - Nursing Concepts IV

Course Information

Course Number

273

Course Title (long)

Nursing Concepts IV

Course Description

In this course, the student will incorporate all previously learned nursing knowledge, skills, and attitudes in providing patient-centered care to groups of patients with complex health care needs. The student will integrate communication, the nursing process, clinical reasoning and clinical decision-making to demonstrate practice competencies in response to dynamic patient needs. (Prerequisites: A grade of "C" or higher in BIOL-111, BIOL-112, BIOL-213, HESC-107, NURS-111, NURS-112, NURS-125, NURS-171, NURS-172, NURS-211, NURS-271; and ENGL-121, PSYC-106, PSYC-208; Admission to the Nursing Program.)

Credit Hours

Min:

6

Billing Hours

Min:

6

School

School of Health Sciences

Division

Division of Health Science

Department(s) ~*

Nursing

Syllabus (Ctrl + click)

[NURS-273](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Earn a minimum grade of "C" in the following: • BIOL111 - Anatomy and Physiology I • BIOL112 - Anatomy and Physiology II • BIOL213 - Microbiology • HESC107 - Health Care Career Exploration • NURS111 - Professional Roles I • NURS112 - Professional Roles II • NURS125 - Pharmacology for Nurses • NURS171 - Nursing Concepts I • NURS172 - Nursing Concepts II • NURS211 - Professional Roles III • NURS271 - Nursing Concepts III General Education Complete ALL of the following Courses: • ENGL121 - English Composition:The Writing Process • PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

- PSYC208 - Life Span Development

Admission Requirement

Fulfill ALL of the following requirements:

- Admission to the Nursing Program.

Course Learning Outcomes

	Outcome Use clinical reasoning and critical thinking to provide holistic patient-centered care to diverse patient populations with complex healthcare needs.
Name NURS273 - CLO 1	

	Outcome Demonstrate accountability and responsibility for own behavior and nursing practice based upon legal and ethical principles, regulatory guidelines, and professional standards.
Name NURS273 - CLO 2	

	Outcome Manage complex patient care as a member of the health care team through effective communication, interdisciplinary collaboration, and information technology to support decision making within systems-based practice.
Name NURS273 - CLO 3	

	Outcome Participate in initiatives to minimize the risk of harm to self and complex patients and optimize the quality and safety of complex patient care through individual performance and system effectiveness, as well as effectiveness of patient teaching and advocacy.
Name NURS273 - CLO 4	

	Outcome Demonstrate responsibility and accountability in using the best current evidence coupled with clinical expertise and consideration of patients' preferences, experience, and values to make complex practice decisions.
Name NURS273 - CLO 5	

NURS273CLIN - Nursing Concepts IV Clinical

Course Information

Course Number
273CLIN

Course Title (long)
Nursing Concepts IV Clinical

Credit Hours

Min:
0

Department(s) ~*
Nursing

NURS295 - Special Project - Nursing

Course Information

Course Number
295

Course Title (long)
Special Project - Nursing

Course Description
The student will prepare an individualized plan of study in behavioral terms. The student and the instructor will complete a contract which will include a set of objectives, methods of achievement and plan for evaluation. The instructor will serve as a preceptor and consultant in guiding the student through the theoretical and laboratory components of the study plan. Students will have opportunity to practice and apply knowledge and skills in the nursing skills laboratory as required to meet objectives.

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Nursing

NURSGLIC - Nursing License

Course Information

Course Number
LIC

Course Title (long)
Nursing License

Credit Hours

Min:
0

NURSLAB - Skills Lab

Course Information

Course Number
LAB

Course Title (long)
Skills Lab

Credit Hours

Min:
0

Department(s) ~*
Nursing

OCNG111LAB - Oceanography Lab

Course Information

Course Number
111LAB

Course Title (long)
Oceanography Lab

Credit Hours

Min:
0

Department(s) ~*
Environmental Sciences

PBHL105 - Introduction to Public Health

Course Information

Course Number
105

Course Title (long)
Introduction to Public Health

Course Description

This course provides an overview of the many facets of public health, including historical perspectives, communicable disease, epidemiology, health policy, environmental health, emergency preparedness, and social and behavioral aspects of health across the life span. It will describe the public health infrastructure, delivery of services at the local, state and national levels, and the core competencies for public health professionals in relationship to social, economic, cultural, psychological and political factors.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[PBHL105](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PBHL105 - CLO 1	Outcome Describe events in the history and development of public health and ways that public health affects literature and the arts, current events, and everyone's daily life.
Name PBHL105 - CLO 2	Outcome Analyze the basic principles of epidemiology, including rates, risk factors, disease determinants, causation and public health surveillance.
Name PBHL105 - CLO 3	Outcome Examine how social and behavioral interventions affect population health across the lifespan.

Name PBHL105 - CLO 4	Outcome Discuss how policy and law affect population health.
Name PBHL105 - CLO 5	Outcome Discuss the impact of environmental factors on health and disease.
Name PBHL105 - CLO 6	Outcome Apply concepts of risk factors and behavior modification to the morbidity and mortality of infectious and chronic diseases, and injuries.
Name PBHL105 - CLO 7	Outcome Construct a concept map outlining the basic organization of healthcare and public health systems and the contributions of health professionals.
Name PBHL105 - CLO 8	Outcome Define the core functions of public health in addressing health disparities and the needs of vulnerable populations.
Name PBHL105 - CLO 9	Outcome Analyze the roles of public health in natural or terrorism-related disaster prevention and management.

PBHL205 - Issues in Disaster Management

Course Information

Course Number
205

Course Title (long)
Issues in Disaster Management

Course Description
This course is designed to familiarize the student with the role of the public health system in disaster preparedness and response to an all-hazards event. It will examine the potential public health consequences of disasters as well as preparedness strategies, emergency planning and the importance of a multi-disciplinary response approach.(Prerequisites: PBHL-105)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Allied Health

Syllabus (Ctrl + click)
[PBHL205](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: • PBHL105 - Introduction to Public Health

Course Learning Outcomes

Name PBHL205 - CLO 1	Outcome . Describe public health roles in disaster preparedness and response activities.
Name PBHL205 - CLO 2	Outcome Describe federal, state and local resources available in a disaster.

Name PBHL205 - CLO 3	Outcome Analyze immediate public health issues post disaster (Katrina, Tsunami, Haiti, Sandy).
Name PBHL205 - CLO 4	Outcome Outline four essential elements of the public health role in disaster planning.
Name PBHL205 - CLO 5	Outcome Identify obstacles and vulnerabilities that may contribute to an ineffective disaster plan.

PHESI001 - Health Education Systems Inc. Test

Course Information

Course Number
001

Course Title (long)
Health Education Systems Inc. Test

Credit Hours

Min:
0

PHIL105 - Critical Thinking

Course Information

Course Number
105

Course Title (long)
Critical Thinking

Course Description
The focus of this course is the development of students' analytic skills. Students will evaluate claims, distinguish arguments from explanations, identify examples of pseudo-reasoning and use inductive generalizations. Problem-solving will be the primary mode of learning. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), Ethical Reasoning and Action (E)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Philosophy

Syllabus (Ctrl + click)
[PHIL105](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in reading

Course Learning Outcomes

Upon successful completion of this course, as demonstrated through examinations, the student will be able to:

Name PHIL105 - CLO 1	Tags Humanistic Perspective (Humanities)
Outcome Evaluate claims (HU)	Justification Learning Outcome(s) support the following General Education Knowledge Areas (HU) Humanities (E) Ethical Reasoning and Action.

Name PHIL105 - CLO 2	Tags Humanistic Perspective (Humanities)
Outcome Distinguish arguments from explanations (HU)	Justification Learning Outcome(s) support the following General Education Knowledge Areas (HU) Humanities (E) Ethical Reasoning and Action.

Name PHIL105 - CLO 3	Tags Humanistic Perspective (Humanities), Ethical Reasoning and Action (Integrated Course Goal)
Outcome Distinguish good reasoning from fallacious reasoning (HU) (E)	Justification Learning Outcome(s) support the following General Education Knowledge Areas (HU) Humanities (E) Ethical Reasoning and Action.

Name PHIL105 - CLO 4	Tags Humanistic Perspective (Humanities), Ethical Reasoning and Action (Integrated Course Goal)
Outcome produce arguments using the principles of good reasoning in the areas of science, aesthetics and morality (HU) (E)	Justification Learning Outcome(s) support the following General Education Knowledge Areas (HU) Humanities (E) Ethical Reasoning and Action.

PHIL115 - Introduction to Philosophy

Course Information

Course Number
115

Course Title (long)
Introduction to Philosophy

Course Description
Students investigate key issues in philosophy, including the nature of self, knowledge and truth, freedom and determinism, morality, the nature of the universe, the existence of God, death and afterlife, meaning and purpose. Emphasis will be given to clarifying students' own thinking on these issues through reading, reflection and discussion. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), Ethical Reasoning and Action (E)

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Philosophy

Syllabus (Ctrl + click)
[PHIL-115](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon successful completion of this course, as demonstrated through the writing of essay test questions and a summary/analysis report on primary source readings, the student will be able to:

Name PHIL115 - CLO 1	Tags Humanistic Perspective (Humanities), Ethical Reasoning and Action (Integrated Course Goal)
Outcome Describe and analyze the basic problems of philosophy in the areas of epistemology, metaphysics and ethics (HU) (E)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (HU) Humanities • (E) Ethical Reasoning and Action

Name PHIL115 - CLO 2	Tags Humanistic Perspective (Humanities), Ethical Reasoning and Action (Integrated Course Goal)
Outcome Summarize philosophers' solutions to the problems of philosophy in the areas of epistemology, metaphysics and ethics (HU) (E)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (HU) Humanities • (E) Ethical Reasoning and Action

Name PHIL115 - CLO 3	Tags Humanistic Perspective (Humanities), Ethical Reasoning and Action (Integrated Course Goal)
Outcome Summarize the arguments of and critically analyze opposing views on a philosophical issue (HU) (E)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (HU) Humanities • (E) Ethical Reasoning and Action

Name PHIL115 - CLO 4	Tags Humanistic Perspective (Humanities), Ethical Reasoning and Action (Integrated Course Goal)
Outcome Develop and defend their own opinions on basic philosophical issues (HU) (E)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: • (HU) Humanities • (E) Ethical Reasoning and Action

PHIL225 - Comparative Religion

Course Information

Course Number 225
Course Title (long) Comparative Religion
Course Description Students will explore the ideas, assumptions and values of the religions of the world, viewing them comparatively in the search for common truths and principles. Among the religions to be studied are the Eastern religions of Hinduism, Taoism, Confucianism and Buddhism, and the Western religions of Judaism, Christianity and Islam. (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies

Humanities (HU), Cultural and Global Awareness (CG)

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Philosophy

Syllabus (Ctrl + click)
[PHIL-225](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon successful completion of this course, as demonstrated through the writing of essay test questions and critical analysis papers, the student will be able to:

Name PHIL225 - CLO 1	Outcome Identify the basic views and practices of the major religions of the world.
Name PHIL225 - CLO 2	Outcome Summarize and analyze the similarities and differences in the views and practices of the major religions of the world.
Name PHIL225 - CLO 3	Outcome Develop and defend their own opinions in the development of their own belief system.

PHIL226 - Logic

Course Information

Course Number
226

Course Title (long)
Logic

Course Description
Students will learn to develop methods of correct reasoning and ways of avoiding formal and informal fallacies. Emphasis will be placed on the analysis of words, statements and arguments using traditional logic. (Prerequisite: MATH-012, MATH-015 or satisfactory completion of the College's foundational studies requirement in computation)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Philosophy

Syllabus (Ctrl + click)
[PHIL-226](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Computation
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Computation
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in computation.

Course Learning Outcomes

Upon successful completion of this course, as demonstrated through examinations, the student will be able to:

Name PHIL226 - CLO 1	Outcome Recognize formal and informal fallacies in language samples.
Name PHIL226 - CLO 2	Outcome Differentiate inductive and deductive arguments.
Name PHIL226 - CLO 3	Outcome Identify and produce good inductive and deductive arguments using the principles of logic.
Name PHIL226 - CLO 4	Outcome Evaluate arguments from public discourse using the principles and methods of inductive and deductive logic.

PHIL227 - Introduction to Ethics

Course Information

Course Number
227

Course Title (long)
Introduction to Ethics

Course Description
Students will become familiar with many approaches to deciding what is "right" and "wrong" in human behavior. The course begins with a look at several ethical theories, each intended to provide a framework for moral decision-making. The second part of the course involves discussion of many controversial issues such as the taking of human life, sexual behavior, abortion, business, medical practice, etc. (Certain sections of the course will be designated to focus on questions within one particular area, e.g., Business Ethics, Nursing Ethics, Environmental Ethics. See the Master Schedule for designated topics). (Prerequisite: READ-092, READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), Ethical Reasoning and Action (E)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Philosophy

Syllabus (Ctrl + click)
[PHIL-227](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
OR
Criteria 2

OR:
Course Learning Outcomes
 Upon successful completion of this course, as demonstrated through the writing of essay test questions, journals and a summary/analysis report on primary source readings, the student will be able to:

Name PHIL227 - CLO 1	Outcome Explain the moral theories of the major moral philosophers.
Name PHIL227 - CLO 2	Outcome Critically analyze the major moral theories.
Name PHIL227 - CLO 3	Outcome Identify and evaluate several moral issues.
Name PHIL227 - CLO 4	Outcome Summarize and critically analyze opposing views on a moral issue.
Name PHIL227 - CLO 5	Outcome Develop and defend their own opinion on the problems of moral philosophy.

PHIL228 - Social and Political Philosophy

Course Information

Course Number
228

Course Title (long)
Social and Political Philosophy

Course Description
 This course aims to offer students a broad survey of the central questions, issues, and problems explored in social and political philosophy. This course will introduce students to the philosophical foundations of liberty, justice, law, and democracy. Students will be challenged to examine a variety of historically important ideas and theories concerning the nature and significance of the individual, the community, the state, liberty, rights, equality, social and economic justice.

The goal of this course is to invite students to critically explore a range of historically significant political and social philosophical questions, such as: (i) What is liberty? (ii) What are rights? (iii) What is justice? (iv) What is law? (v) Are there limits to the sovereignty of the state over the liberty of the individual? (vi) What is the relation between the individual and the community? (vii) What is the connection, if any, between morality, justice, law, and democracy? Fundamentally, this course strives to challenge students to think critically about a variety of theoretical concepts and ideas that underpin the Western democratic tradition.

Additionally, by developing an in-depth understanding of social and political theory, students will foster a clearer and more nuanced understanding and appreciation of various contemporary issues and problems that concern the foundational prescriptive/normative question asked by social and political philosophers: How should human persons live with one another? This exploration will challenge students to apply social and political philosophy to the following: multiculturalism and tolerance, immigration, racism, and economic disparity.

Students will be invited to philosophically explore the above questions, issues, and problems by examining the social and political thought of a wide range of classic and contemporary thinkers, including but not limited to the following: Plato, Aristotle, Aquinas, Hobbes, Locke, Kant, Mill, Marx, King, Rawls, Nozick, and Taylor.

Given the interdisciplinary nature of social and political philosophy, this course will prove to be of intellectual and academic interest to a variety of students across the College campus. What is more, this course will provide an essential scholarly foundation for students studying Sociology, Political Science, Economics, Criminal Justice, Legal Studies, History, and Philosophy.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU), Ethical Reasoning and Action (E)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Philosophy

Syllabus (Ctrl + click)
[PHIL228](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Reading

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in reading.

	Outcome Develop and defend one's own perspective and framework on the issues, questions, and problems of social and political philosophy.
Name PHIL228 - CLO 6	

PHIL295 - Special Project - Philosophy

Course Information

Course Number 295	
Course Title (long) Special Project - Philosophy	
Course Description (Prerequisite: PHIL- 115 or instructor's approval.)	
Credit Hours	
Min: 1	Max: 6

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Philosophy

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PHIL228 - CLO 1	Outcome Explain the social and political theories of historically significant social and political philosophers.
Name PHIL228 - CLO 2	Outcome Critically analyze historically significant social and political theories.
Name PHIL228 - CLO 3	Outcome Understand, appreciate, and explain the ethically prescriptive nature of socialpolitical philosophy by applying ethical frameworks to social-political philosophical analysis.
Name PHIL228 - CLO 4	Outcome Identify, understand, explore, and evaluate several social and political issues, questions, and problems.
Name PHIL228 - CLO 5	Outcome Summarize and critically analyze opposing perspectives and philosophical frameworks on social and political issues.

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- PHIL115 - Introduction to Philosophy

OR

Criteria 2

OR:

- Instructor's approval.

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PHOBET001 - Health Occupation Basic Entrance Test

Course Information

Course Number
001

Course Title (long)
Health Occupation Basic Entrance Test

Credit Hours

Min:
0

PHTY105 - The History and Aesthetics of Photography

Course Information

Course Number
105

Course Title (long)
The History and Aesthetics of Photography

Course Description

This course is an introductory survey of the history and aesthetics of photography from the early years of investigation to the present. Through lectures, group discussions, media presentations, museum visits, and research, the student will develop an understanding of the evolution of photography and how photography can be a medium of documentation, communication, and personal expression. This is not a studio/lab course.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Photography

Syllabus (Ctrl + click)
[PHTY-105](#)

Course Learning Outcomes

Upon completion of the course, students will be able to:

Name PHTY105 - CLO 1	Outcome Memorize, identify and critically analyze photographic imagery, processes and applications from the early history of the medium to the present.
Name PHTY105 - CLO 2	Outcome Gather information from personal experience (such as gallery and museum visits) and research to organize and evaluate information in written and verbal form.

Name PHTY105 - CLO 3	Outcome Develop an ability to identify and analyze historical movements and societal issues regarding how photography impacts the current cultural climate.

PHTY111 - Photography I - Film and Darkroom

Course Information

Course Number
111

Course Title (long)
Photography I - Film and Darkroom

Course Description
THIS IS A DARKROOM COURSE. Students develop a basic understanding of the manual 35mm film camera, black and white film processing and printing, while exploring the possibilities of black and white photography as a medium of fine art practice, visual communication, and personal expression. Students must provide a manually operated 35mm film camera.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Photography

Syllabus (Ctrl + click)
[PHTY-111](#)

Course Learning Outcomes

Name PHTY111 - CLO 1	Outcome The student will communicate information and ideas clearly and effectively in written, verbal and visual form.
Name PHTY111 - CLO 2	Outcome The student will think clearly, critically and creatively to analyze information, identify solutions, make logical decisions and solve problems.
Name PHTY111 - CLO 3	Outcome The student will explore a personal vision for productive original photographs.

PHTY216 - Portfolio Development

Course Information

Course Number
216

Course Title (long)
Portfolio Development

Course Description
The student will continue the evolution of a personal approach to photography through individual assignments leading to the development of a portfolio. This course requires 3-4 hours of lab time in addition to the class meeting in order to successfully accomplish the objectives. (Prerequisites: PHTY-105, PHTY-120 and PHTY-225 or by Portfolio review after successful completion of PHTY-120 or PHTY-295)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Photography

Syllabus (Ctrl + click)
[PHTY216](#)

Upon completion of this course, students will be able to:

Name PHTY216 - CLO 1	Outcome Communicate information and ideas clearly and effectively in written, verbal and visual form.
Name PHTY216 - CLO 2	Outcome Establish skills to identify personal concepts and follow a creative working process for completion of a body of photographic images to be used for promotion, exhibition or transfer.
Name PHTY216 - CLO 3	Outcome Think clearly, critically and creatively to analyze information, identify solutions, make logical decisions and solve problems.

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- PHTY105 - The History and Aesthetics of Photography
- PHTY120 - Digital Photography I
- PHTY225 - Digital Photography II

OR

Criteria 2

Portfolio review after successful completion

Complete ALL of the following Courses:

- PHTY120 - Digital Photography I
- AND PHTY295 - Special Project - Photography

Course Learning Outcomes

PHTY225 - Digital Photography II

Course Information

Course Number
225

Course Title (long)
Digital Photography II

Course Description
Students will continue to improve and refine their digital image making technique while exploring the creative possibilities of current electronic image making. Emphasis will be on image content and creative use of the medium. Additional lab time four to six hours per week is required. A single lens digital reflex camera is necessary (Prerequisite: PHTY-120)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Photography

Syllabus (Ctrl + click)
[PHTY225](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- PHTY120 - Digital Photography I

Name PHTY225 - CLO 3	Outcome Students will think clearly, critically, and creatively to analyze information, identify solutions, and make logical decisions and solve problems.

Name PHTY225 - CLO 4	Outcome Students will explore a personal vision for productive original photographs.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PHTY225 - CLO 1	Outcome Students will communicate information and ideas clearly and effectively in written, verbal, and visual form.

Name PHTY225 - CLO 2	Outcome This course will provide a foundation for students considering photography as a career.

PHTY235 - Large Format Photography

Course Information

Course Number
235

Course Title (long)
Large Format Photography

Course Description
The student will develop studio and field skills, including view camera techniques, exposure and development controls and basic lighting. Aesthetic concerns and the development of personal style will be stressed. (Prerequisites: PHTY-111 and PHTY-212; Prerequisite or Corequisite: PHTY-105)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of STEAM	Division of Arts, Design, Science & Technology	Photography

Syllabus (Ctrl + click)
[PHTY235](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: - PHTY111 - Photography I - Film and Darkroom - PHTY105 - The History and Aesthetics of Photography
Corequisite Type Corequisite Career Studies Enroll in the following Courses: PHTY105 - The History and Aesthetics of Photography

PHTY295 - Special Project - Photography

Course Information

Course Number
295

Course Title (long)
Special Project - Photography

Course Description
Students must present a proposal for a project of advanced study. Also, they must have successfully completed all previous coursework in the subject area, and must meet with the appropriate instructor for approval before registering.

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Photography

PHYS106 - Astronomy

Course Information

Course Number
106

Course Title (long)
Astronomy

Course Description
This introductory astronomy course is for college students who are curious about the universe. Topics covered include the historical foundations of astronomy, the tools and techniques used by modern astronomers, the sun, planets, moons, and minor bodies of our solar system, and the processes by which it formed.
(Prerequisites: MATH-015 or satisfactory completion of the College's foundational studies requirement in computation and READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Environmental Sciences

Syllabus (Ctrl + click)
[PHYS106](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Foundational Studies Requirement in Computation
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Computation
*Must be MATH-015
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in computation.

Foundational Studies Requirement in Reading
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Reading
*Must be READ-095
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Upon successful completion of this general physics II (non-calculus) course, students will be able to:

Name	Tags
PHYS106 - CLO 1	Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)
Outcome	
Communicate information and ideas about the basic concepts of experimental and theoretical physics in electromagnetism and optics clearly and effectively in the written and spoken form (COMMUNICATION & INFORMATION LITERACY).	
Name	Tags
PHYS106 - CLO 2	Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking
Outcome	
Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems in electromagnetism and optics (MATHEMATICAL/SCIENTIFIC REASONING & CRITICAL THINKING).	
Name	Tags
PHYS106 - CLO 3	Technological Competency (Technology)
Outcome	
Use instruments computers to analyze data (TECHNOLOGICAL LITERACY).	

PHYS107 - Astronomy with Laboratory

Course Information

Course Number
107

Course Title (long)
Astronomy with Laboratory

Course Description
This introductory astronomy course is for college students who are curious about the universe. Topics covered include the historical foundations of astronomy, the tools and techniques used by modern astronomers, the sun, planets, moons, and minor bodies of our solar system, and the processes by which it formed. The laboratory component of the course will employ the scientific method of inquiry as a tool to analyze computer simulations and night-sky observations.

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Environmental Sciences

Syllabus (Ctrl + click)
[PHYS-107](#)

Outcome

Apply the scientific method, fundamental principles of astronomy, physics and mathematical techniques to solve problems. (MATHEMATICAL/SCIENTIFIC REASONING & CRITICAL THINKING).

Name	Tags
PHYS107 - CLO 3	Technological Competency (Technology)
Outcome Use instruments computers to analyze data (TECHNOLOGICAL LITERACY).	

Course Learning Outcomes

Upon successful completion of this introductory astronomy course, students will be able to:

Name PHYS107 - CLO 1		Tags Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)
Outcome Communicate information and ideas about the basic concepts of experimental and theoretical physics in astronomy clearly and effectively in written and spoken form (COMMUNICATION & INFORMATION LITERACY).		
Name PHYS107 - CLO 2		Tags Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking

PHYS108 - Physics in Life

Course Information

Course Number
108

Course Title (long)
Physics in Life

Course Description
This is a general education lab science course for non-science majors. There are no college-level pre-requisites. The goal of this course is a general understanding of the physical principles in everyday life with emphasis of how physicists approach the problem of describing nature in terms of experimental tests of physical theories. The course surveys motion and Newton's laws, the atomic structure of matter, heat and thermodynamics, sound and light waves, electricity and magnetism, and modern physics. (Prerequisite: MATH-021 or MATH-025 or satisfactory completion of the College's foundational studies requirement in computation and READ-092 or READ-095 or satisfactory completion of the College's foundational studies requirement in reading, and ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Environmental Sciences

Syllabus (Ctrl + click)
[PHYS108](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Foundational Studies Requirement in Algebra Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Algebra OR Criteria 2

OR:	Satisfactory completion of the College's foundational studies requirement in Algebra.
Foundational Studies Requirement in Reading	Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: - Foundational Studies Requirement in Reading OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in reading.
Foundational Studies Requirement in Writing	Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Course Sets: - Foundational Studies Requirement in Writing OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in writing.

Course Learning Outcomes

Upon successful completion of this general physics II (non-calculus) course, students will be able to

	Tags Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)
Name PHYS108 - CLO 1	
Outcome Communicate information and ideas about the basic concepts of experimental and theoretical physics in electromagnetism and optics clearly and effectively in the written and spoken form (COMMUNICATION & INFORMATION LITERACY).	
	Tags Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking
Name PHYS108 - CLO 2	

Outcome
Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems in electromagnetism and optics (MATHEMATICAL/SCIENTIFIC REASONING & CRITICAL THINKING).

Name PHYS108 - CLO 3	Tags Technological Competency (Technology)
Outcome Use instruments computers to gather and analyze data (TECHNOLOGICAL LITERACY).	

PHYS111 - General Physics I (Non-Calculus)

Course Information

Course Number
111

Course Title (long)
General Physics I (Non-Calculus)

Course Description
The student will develop skills in laboratory and problem-solving techniques as they relate to the physical sciences and modern technology. The student will apply these skills to the solution of problems involving basic concepts of vectors, statics, kinematics, dynamics, work and energy; momentum; rotational mechanics; mechanical, molecular and thermal properties of matter; and wave motion and sound. (Prerequisite: A grade of "C" or higher in MATH-152)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Sciences (SC)

School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Environmental Sciences

Syllabus (Ctrl + click)
[PHYS111](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- MATH152 - College Algebra & Trigonometry

Course Learning Outcomes

Upon successful completion of this general physics II (non-calculus) course, students will be able to:

Name PHYS111 - CLO 1	Tags Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)

Outcome
Communicate information and ideas about the basic concepts of experimental and theoretical physics in electromagnetism and optics clearly and effectively in the written and spoken form (COMMUNICATION & INFORMATION LITERACY).

Name PHYS111 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking
Outcome Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems in electromagnetism and optics (MATHEMATICAL/SCIENTIFIC REASONING & CRITICAL THINKING).	

Name PHYS111 - CLO 3	Tags Technological Competency (Technology)
Outcome Use instruments computers to gather and analyze data (TECHNOLOGICAL LITERACY).	

PHYS111LAB - General Physics I (non-calculus) Lab

Course Information

Course Number
111LAB

Course Title (long)
General Physics I (non-calculus) Lab

Credit Hours

Min:
0

Department(s) ~*
Environmental Sciences

PHYS112 - General Physics II (Non-Calculus)

Course Information

Course Number
112

Course Title (long)
General Physics II (Non-Calculus)

Course Description
The student will apply the skills developed in PHYS 111 to the solution of problems involving basic concepts of electrostatics, DC electricity, magnetism, magnetic induction, light, and modern physics. This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in PHYS-111)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies		
Sciences (SC)		
School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Environmental Sciences

Syllabus (Ctrl + click)
[PHYS112](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- PHYS111 - General Physics I (Non-Calculus)

Course Learning Outcomes

Upon successful completion of this general physics II (non-calculus) course, students will be able to:

Name PHYS112 - CLO 1	Tags Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)

Outcome
Communicate information and ideas about the basic concepts of experimental and theoretical physics in electromagnetism and optics clearly and effectively in the written and spoken form (COMMUNICATION & INFORMATION LITERACY).

Name
PHYS112 - CLO 2

Tags
Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking

Outcome
Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems in electromagnetism and optics (MATHEMATICAL/SCIENTIFIC REASONING & CRITICAL THINKING).

Name
PHYS112 - CLO 3

Tags
Technological Competency (Technology)

Outcome
Use instruments computers to gather and analyze data (TECHNOLOGICAL LITERACY).

PHYS112LAB - General Physics II (non-calculus) Lab

Course Information

Course Number
112LAB

Course Title (long)
General Physics II (non-calculus) Lab

Credit Hours

Min:
0

Department(s) ~*
Environmental Sciences

PHYS121 - General Physics I

Course Information

Course Number
121

Course Title (long)
General Physics I

Course Description
The student will employ calculus in the development of the basic concepts of vectors; statics, kinematics, dynamics, work and energy; momentum; rotational mechanics; molecular and thermal properties of matter; wave motion; and sound. (Prerequisite: MATH-171 [with a grade of "C" or higher required as a prerequisite])

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies		
Sciences (SC)		
School School of STEAM	Division Division of Math, Computer Science, Physics & Engineering	Department(s) ~* Environmental Sciences

Syllabus (Ctrl + click)
[PHYS-121](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- MATH171 - Calculus I

Course Learning Outcomes

Upon successful completion of this general physics II (non-calculus) course, students will be able to:

Name
PHYS121 - CLO 1

Tags
Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)

Outcome
Communicate information and ideas about the basic concepts of experimental and theoretical physics in electromagnetism and optics clearly and effectively in the written and spoken form (COMMUNICATION & INFORMATION LITERACY).

Name PHYS121 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking
Outcome Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems in electromagnetism and optics (MATHEMATICAL/SCIENTIFIC REASONING & CRITICAL THINKING).	

Name PHYS121 - CLO 3	Tags Technological Competency (Technology)
Outcome Use instruments computers to gather and analyze data (TECHNOLOGICAL LITERACY).	

PHYS121LAB - General Physics I Lab

Course Information

Course Number
121LAB

Course Title (long)
General Physics I Lab

Credit Hours
Min:
0

Department(s) ~*
Environmental Sciences

PHYS122 - General Physics II

Course Information

Course Number
122

Course Title (long)
General Physics II

Course Description
The student will employ calculus in the development of the basic concepts of electrostatics, DC circuits, magnetism, magnetic induction, AC circuits, light and optics. (Prerequisite: A grade of "C" or higher in PHYS-121; Prerequisite of Corequisite: MATH-172 [grade of "C" or higher required as a prerequisite])

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies		
Sciences (SC)		
School	Division	Department(s) ~*
School of STEAM	Division of Math, Computer Science, Physics & Engineering	Environmental Sciences

Syllabus (Ctrl + click)
[PHYS-122](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies
Earn a minimum grade of "C" in the following:

- PHYS121 - General Physics I
- MATH172 - Calculus II

Corequisite
Type
Corequisite

Career Studies
Earn a minimum grade of "C" in the following:

- MATH172 - Calculus II

Course Learning Outcomes

Upon successful completion of this general physics II (non-calculus) course, students will be able to:

Tags
Written and Oral Communication
(Communication), Information
Literacy (Integrated Course Goal)

Outcome

Communicate information and ideas about the basic concepts of experimental and theoretical physics in electromagnetism and optics clearly and effectively in the written and spoken form (COMMUNICATION & INFORMATION LITERACY).

Tags
Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking

Outcome

Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems in electromagnetism and optics (MATHEMATICAL/SCIENTIFIC REASONING & CRITICAL THINKING).

Tags
Technological Competency
(Technology)

Outcome
Use instruments computers to gather and analyze data (TECHNOLOGICAL LITERACY).

- PHYS122 - General Physics II

Tags
Written and Oral Communication
(Communication), Information
Literacy (Integrated Course Goal)

Name
PHYS223 - CLO 1

Outcome
Communicate information and ideas about the basic concepts of experimental and theoretical physics in electromagnetism and optics clearly and effectively in the written and spoken form (COMMUNICATION & INFORMATION LITERACY).

Name PHYS223 - CLO 2	Tags Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science), Critical Thinking
Outcome Apply the scientific method, fundamental principles of physics and mathematical techniques to solve problems in electromagnetism and optics (MATHEMATICAL/SCIENTIFIC REASONING & CRITICAL THINKING).	

Name PHYS223 - CLO 3	Tags Technological Competency (Technology)
Outcome Use instruments computers to gather and analyze data (TECHNOLOGICAL LITERACY).	

PHYS299 - Physics Internship

Course Information

Course Number
299

Course Title (long)
Physics Internship

Course Description
This course will allow the student to gain practical work experience by participating in a physics career-related position with an approved company or institution. The course includes a service learning component. (Prerequisite: PHYS-111 or PHYS-121, approval of instructor, Academic Division Dean, and Career Services Representative)

Credit Hours

Min:
1

Max:
3

School
School of STEAM

Division
Division of Math, Computer Science, Physics & Engineering

POLI101 - Introduction to Political Science

Course Information

Course Number
101

Course Title (long)
Introduction to Political Science

Course Description
As an introductory course in Political Science, students examine basic concepts of democracy and dictatorship, the nation-state, law, ideology, interest groups and political parties. Course activities include use of teacher and guest lectures, small group discussion, student presentations and video offerings.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS)

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Political Science

Syllabus (Ctrl + click)
[POLI-101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name POLI101 - CLO 1	Outcome Describe and explain basic political science concepts.
Name POLI101 - CLO 2	Outcome Describe and explain political ideologies including conservatism, liberalism, socialism, communism, and fascism.
Name POLI101 - CLO 3	Outcome Describe and explain concepts relating to political culture.
Name POLI101 - CLO 4	Outcome Summarize the ways in which individuals and groups participate in the political process.

Name POLI101 - CLO 5	Outcome Summarize basic political institutions and their functions (e.g. legislative, executive and judicial).

POLI105 - American National Government

Course Information

Course Number
105

Course Title (long)
American National Government

Course Description
Students in American National Government study the structure and philosophy of the United States government, including themes of national economy, energy, environment, health, education, welfare, civil rights, civil liberties, foreign policy and political parties. Course activities include the use of teacher and guest lectures, small group discussion, student presentations and video offerings.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Political Science

Syllabus (Ctrl + click)
[POLI-105](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name POLI105 - CLO 1	Outcome Summarize the content of the Declaration of Independence, the Constitution, and the Bill of Rights.

Name POLI105 - CLO 2	Outcome Describe the three branches of government and how they check and balance one another.

Name POLI105 - CLO 3	Outcome Evaluate the electoral process and how candidates are selected to represent us at the federal level (the Congress and the Presidency).

Name POLI105 - CLO 4	Outcome Compare the political platforms and ideological differences of the Republican and Democratic parties .
Name POLI105 - CLO 5	Outcome Describe interest group politics and explain how an interest group works.
Name POLI105 - CLO 6	Outcome Describe public policy.
Name POLI105 - CLO 7	Outcome Identify the workings of the legislative process.

POLI115 - State, County, & Local Government

Course Information

Course Number
115

Course Title (long)
State, County, & Local Government

Course Description
The student will study the structure and philosophy of state, county and local governments within the United States--though particular attention is given to these themes as they apply in New Jersey. Topics include the economy, energy, environment, health, education, welfare, law enforcement, political parties, civil rights and civil liberties. Course activities include the use of teacher and guest lectures, small group discussion, student presentations and video offerings.

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Political Science

Syllabus (Ctrl + click)
[POLI-115](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name POLI115 - CLO 1	Outcome Summarize American federalism and the New Jersey Constitution.
Name POLI115 - CLO 2	Outcome Describe the three branches of state government and how they check and balance one another.
Name POLI115 - CLO 3	Outcome Explain the electoral process and how candidates are selected to represent us at the state and local level.

Name POLI115 - CLO 4	Outcome Compare the political platforms of the New Jersey Republican and Democratic parties.

Name POLI115 - CLO 5	Outcome Recognize metropolitan politics and the relationship between levels of government.

Name POLI115 - CLO 6	Outcome Describe the public policy process and how state and local laws and regulations are crafted.

POLI225 - International Relations

Course Information

Course Number
225

Course Title (long)
International Relations

Course Description
In this course students will be exposed to various theories of international relations, learn about concepts like the state, the nation, the nation-state, sovereignty, and power, investigate the causes of war, examine the role of international law, international organizations and diplomacy in world politics, and explore such issues as arms races, disarmament, and human rights.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Political Science

Syllabus (Ctrl + click)
[POLI225](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name POLI225 - CLO 1	Outcome Recognize what states are and how they interact with one another;

Name POLI225 - CLO 2	Outcome Describe the international system and how it differs from the concept of individual states;

Name POLI225 - CLO 3	Outcome Explain important political concepts such as the state, sovereignty, balance of power, interdependence, and globalization;

Name POLI225 - CLO 4	Outcome Describe and Analyze how states gain and lose power;

Name POLI225 - CLO 5	Outcome Recognize some of the causes of war and analyze why states go to war;

Name POLI225 - CLO 6	Outcome Identify the tools of diplomacy;

Name POLI225 - CLO 7	Outcome Recognize the importance of international institutions such as the United Nations and the European Union;

Name POLI225 - CLO 8	Outcome Examine globalization's impact on international economic relations;

Name POLI225 - CLO 9	Outcome Summarize what human rights are and why they are important in the struggle for a just and peaceful world.

POLI227 - Comparative Politics

Course Information

Course Number
227

Course Title (long)
Comparative Politics

Course Description
In this course students will be exposed to various theories of comparative politics, learn about comparative research methods, and examine the political, economic and governance systems of countries from around the world including: industrialized democracies, current and former communist regimes, and less developed nations. Countries to be analyzed include the United Kingdom, France, Germany, European Union, Russia, China, Mexico, India, Iran and South Africa. NOTE: This course is offered only in the Fall term.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Political Science

Syllabus (Ctrl + click)
[POLI-227](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name POLI227 - CLO 1	Outcome Summarize the comparative method and compare different political systems;

Name POLI227 - CLO 2	Outcome Describe the nation-state system;

Name POLI227 - CLO 3	Outcome Explain important political concepts such as democracy, socialism, communism, imperialism, colonialism, sovereignty, interdependence, and globalization;

Name POLI227 - CLO 4	Outcome Compare and contrast different countries politically, economically, and socially;

Name POLI227 - CLO 5	Outcome Investigate the diversity of global political life;

Name POLI227 - CLO 6	Outcome Describe and evaluate the industrialized democracies such as the USA, UK, and France;

Name POLI227 - CLO 7	Outcome Describe and evaluate communist and post-communist regimes such as China and Russia;

Name POLI227 - CLO 8	Outcome Recognize and illustrate the political and economic problems of the Third and Fourth Worlds;

Name POLI227 - CLO 9	Outcome Describe and evaluate the regimes of Third World countries such as India, South Africa, and Mexico.

POLI228 - Environmental Politics and Policy and Policy

Course Information

Course Number

228

Course Title (long)

Environmental Politics and Policy and Policy

Course Description

This course will introduce students to the field of environmental politics and policy, or the connections and interactions between environmental concerns and the political process. Students will be exposed to a number of environmental problems and the political and legislative responses government has taken to address those problems. This course will focus primarily on environmental politics and policy in the USA. NOTE: This course is offered only in the Spring term.

Credit Hours

Min:

3

Billing Hours

Min:

3

School

School of Business,
Humanities and Social
Science

Division

Division of Humanities &
Social Science

Department(s) ~*

Political Science

Syllabus (Ctrl + click)

[POLI228](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name POLI228 - CLO 1	Outcome Classify and summarize different types of environmental thought including conservation, preservation, sustainable development, and deep ecology;

Name POLI228 - CLO 2	Outcome Describe the origins and present-day impacts of a number of environmental problems;

Name POLI228 - CLO 3	Outcome Recognize and differentiate environmental interest groups and explain how these groups influence the political and legislative process;

Name POLI228 - CLO 4	Outcome Describe the legislative process in the United States and how Congress passes laws to protect the environment;
Name POLI228 - CLO 5	Outcome Recognize and evaluate how the executive and judicial branches of the U.S. government affect the implementation of environmental laws passed by Congress;
Name POLI228 - CLO 6	Outcome Summarize and evaluate environmental policies such as the National Environmental Protection Act, the Clean Air Act, and the Clean Water Act;
Name POLI228 - CLO 7	Outcome Identify the differences between domestic and international environmental policy.

POLI295 - Special Project - Political Science

Course Information

Course Number 295	Course Title (long) Special Project - Political Science	Course Description Students will pursue and complete one individualized, in-depth study of a topic relevant to the discipline of political science. The topic may deal with the political dimension of such themes as economy, energy, environment, health, education or human services. (Prerequisite: Approval of instructor)

Credit Hours

Min: 1	Max: 3	School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Political Science

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Fulfill ALL of the following requirements: Approval of instructor.

POLI299 - Political Science Internship

Course Information

Course Number
299

Course Title (long)
Political Science Internship

Course Description
The student will serve as an intern/observer with a municipal, county or state agency. After gaining a first-hand experience as to how that agency operates and the various duties involved in working within that agency, the student should reach a decision as to whether or not to work in the field upon graduation from college. (Prerequisite: Approval of instructor and Career Services Representative)

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Political Science

PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects

Course Information

Course Number
105

Course Title (long)
Introduction T Psychology I: Physical & Sensory Aspects

Course Description
Students will demonstrate an understanding of psychology as a science. They will complete exercises covering fundamental areas of the discipline: history of psychology, scientific method, sensation and perception, learning and memory, and IQ. Students will gain the ability to examine these subjects from a critical as well as a diverse point of view; the roles of gender, cultural and individual differences are systematically explored. Service-learning is an option. PSYC-105 and PSYC-106 may be taken in either order. (Prerequisite or Corequisite: ENGL-095 or meets current college placement criteria)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC105](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Course Sets:

• [Foundational Studies Requirement in Writing](#)

OR

Criteria 2

OR:

• Meets current college placement criteria.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC105 - CLO 1	Outcome Understand the historical antecedents, essential elements, milestones, and perspectives of Psychology as a scientific discipline.
Name PSYC105 - CLO 2	Outcome Recognize scientific methods and manipulate some components of experiments, as well as gain familiarity with basic statistical information and measurement requirements such as reliability and validity.
Name PSYC105 - CLO 3	Outcome Explain how learning and thinking arise from the human nervous system, starting with neurons, progressing to the brain itself, incorporating the sensory systems and concluding with the act of perception.
Name PSYC105 - CLO 4	Outcome Investigate and explain the cognitive processes of learning, remembering, intelligence, judgment, and decision-making.

PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Course Information

Course Number
106

Course Title (long)
Introduction to Psychology Ii: Personality & Social Aspects

Course Description
Students will demonstrate an understanding of Psychology as an applied science. They will complete exercises covering the relevant areas: social and interpersonal behavior, motivation, emotion, stress, health and coping, psychological disorders, personality theories and the psychotherapies. Students will gain the ability to analyze a variety of theoretical perspectives from critical and diverse points of view while applying them to problems of daily living. Service-learning is an option. PSYC-105 and PSYC-106 may be taken in either order. NOTE: PSYC-106 is required for NURS, RADT and RESP programs. (Prerequisite or Corequisite: ENGL-095 or meets current college placement criteria)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC-106](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement
Fulfill ANY of the following requirements:
Criteria 1
Complete ALL of the following Course Sets:
Foundational Studies Requirement in Writing
OR
Criteria 2
OR:
Meets current college placement criteria.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC106 - CLO 1	Outcome Identify and explain theories as well as scientific evidence regarding the human experience of motivation, emotion, personality, mental disorders, and social relations.
Name PSYC106 - CLO 2	Outcome Examine current events and/or research to investigate psychological concepts such as motivation, emotions, psychological disorders, and social relations as they occur in everyday life
Name PSYC106 - CLO 3	Outcome Analyze issues inherent in professional strategies which have been developed to treat various psychopathologies.
Name PSYC106 - CLO 4	Outcome Associate modern scientific data to personal everyday social perceptions and cognitions such as interpersonal attraction and attitude formation/change.
Name PSYC106 - CLO 5	Outcome Describe the major fields, theoretical perspectives and key concepts within psychology.

PSYC111 - Introduction to Human Services

Course Information

Course Number
111

Course Title (long)
Introduction to Human Services

Course Description
Students will trace the history of human services. They will also examine the evolution of systems designed to deliver human services. The modern concepts behind the human service movement will be studied along with investigations into a variety of a) human services available to a community, b) agencies that offer human services and c) client populations. Students will spend 20 hours in a volunteer capacity at a fieldwork site dedicated to the human services. They will also participate in a personal growth group for the purpose of clarifying their professional values and ethics, as well as their career goals.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology

Syllabus (Ctrl + click)
[PSYC-111](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC111 - CLO 1	Outcome Employ the human services model when analyzing a client, family, and community.
Name PSYC111 - CLO 2	Outcome Demonstrate an understanding of problem-solving processes as a treatment modality.
Name PSYC111 - CLO 3	Outcome Exercise cultural competency in working with individuals of diverse background.

Name PSYC111 - CLO 4	Outcome Conceptualize a structured treatment plan based on human service principles used to address client's personal problems and their impact on family and community systems.

Name PSYC111 - CLO 5	Outcome Discern the complexity of local, state, and federal human service systems for the purpose of referring clients.

Name PSYC111 - CLO 6	Outcome Articulate ethical standards and time-management principles pertaining to the human service profession.

Name PSYC111 - CLO 7	Outcome Examine one's personal growth via written reflection.

PSYC125 - Introduction to Addiction Studies

Course Information

Course Number
125

Course Title (long)
Introduction to Addiction Studies

Course Description
This course is a general, introductory course in addiction studies. The course is primarily oriented toward helping students understand the fundamentals of addictive behavior and mental process, especially as regards (a) the biomedical forces integral to chemical dependency (b) drug and alcohol education and awareness (c) the recovery process (d) personal wellness (e) professional consultation and (f) medical issues related to chemical abuse, such as HIV and AIDS. NOTE: This course is offered only in the Fall term.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology

Syllabus (Ctrl + click)
[PSYC-125](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC125 - CLO 1	Outcome Distinguish components of the human services model that must be employed when analyzing an addictive client.

Name PSYC125 - CLO 2	Outcome Describe addiction as a disease process.

Name PSYC125 - CLO 3	Outcome Identify and differentiate between substances that may lead to addiction.

Name PSYC125 - CLO 4	Outcome Explain how chemical dependency and addiction affect the individual and family systems.

Name PSYC125 - CLO 5	Outcome Differentiate between treatment, rehabilitation, and the process of recovery in the development of a written intervention that employs multiple resources for individuals and families.

Name PSYC125 - CLO 6	Outcome Examine ethical and cultural factors facing human service professionals.

Name PSYC125 - CLO 7	Outcome Describe how drugs and alcohol affect the community at large.

PSYC127 - Evaluation and Diagnosis of the Addicted Client

Course Information

Course Number
127

Course Title (long)
Evaluation and Diagnosis of the Addicted Client

Course Description
This course is designed to provide students with the fundamental skills needed for evaluating clients who may or may not have substance abuse as a primary referral issue. Students will explore the basic issues, concepts, and trends in addiction as they relate to proper assessment and documentation for individuals suffering from addictions (especially addictions to drugs, alcohol, and/or gambling.) NOTE: This course is offered only in the Spring term. (Prerequisite: PSYC-125)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology

Syllabus (Ctrl + click)
[PSYC127](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: PSYC125 - Introduction to Addiction Studies

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC127 - CLO 1	Outcome Identify and classify psychological, social, and physiological signs and symptoms of alcohol and other drug abuse, including nicotine dependence in the client to make an accurate diagnosis and formulate a treatment plan.

Name PSYC127 - CLO 2	Outcome Document ongoing treatment needs identified by regular assessments performed throughout the continuum of care and negotiate adjustments to the treatment plans to assure new treatment needs are addressed.

Name PSYC127 - CLO 3	Outcome Explain the purpose, rationale, and methods associated with the assessment process to the client to assure understanding and compliance.

Name PSYC127 - CLO 4	Outcome Evaluate the client's appropriateness and eligibility for admission or referral to a range of programs by assessing the match between the client's needs and program target populations and services.

Name PSYC127 - CLO 5	Outcome Provide relevant information to the client through formal and informal processes to introduce specific knowledge to support the recovery process.

PSYC135 - Death and Dying

Course Information

Course Number
135

Course Title (long)
Death and Dying

Course Description
This course is an in-depth study of the terminally ill person. Students will analyze the dying person's basic needs, psychological make-up, family situation and cultural background. Through class exercises and discussion, students will also explore their own feelings about death and dying and learn how these feelings affect their performance as caregivers.

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology

Syllabus (Ctrl + click)
[PSYC135](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC135 - CLO 1	Tags Critical Thinking
Outcome Analyze and explain death as part of the life cycle (CRITICAL THINKING).	

Name PSYC135 - CLO 2	Tags Critical Thinking, Historical/Societal Analysis
Outcome Examine and evaluate the psychological and societal approaches that provide the framework for an understanding of the meaning of death, the "Death System", end of life issues, specific ways of dying and bereavement, grief and mourning (CRITICAL THINKING; PERSONAL DEVELOPMENT; HISTORICAL/ SOCIETAL ANALYSIS).	

Name PSYC135 - CLO 3	Tags Critical Thinking, Historical/Societal Analysis
Outcome Analyze the concepts learned in class to develop both a cognitive understanding of the issues surrounding death and a personal conception of the way that death affects their lives (CRITICAL THINKING; PERSONAL DEVELOPMENT; HISTORICAL/ SOCIETAL ANALYSIS)	

PSYC205 - Industrial/Organizational Psychology

Course Information

Course Number
205

Course Title (long)
Industrial/Organizational Psychology

Course Description
This course is an applied psychology course designed to help students improve their understanding and skills in dealing with people in various roles and at different levels in the organization. Theories and principles of psychology are used to address problems of motivation, morale, productivity, leadership, communication and stress management in the workplace. In addition, case studies are used to understand organizational culture group dynamics, the unique pressures of minorities, women and the handicapped in organizational settings. Cross-cultural practices, as well as the challenges of a high-technology society, are also considered. Field work and exercises related to career goals complete this course. This course is offered only in the Fall term.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC205](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC205 - CLO 1	Outcome Describe and analyze psychological concepts (e.g. social psychological, motivational, group dynamics) as they relate to the workplace through the use of in-class discussions, group projects, and written papers.
Name PSYC205 - CLO 2	Outcome Describe and analyze organizational culture as it pertains to the role/status of minority groups, women and the handicapped have historically and presently play in the workplace and industrial/organizational settings.

Name PSYC205 - CLO 3	Outcome Delineate and evaluate the issues concerning the psychology of work that foster a greater appreciation for the dynamic interplay between psychological and social dimensions that affect the individual's emotional well-being in the workplace

PSYC206 - Human Growth and Development I

Course Information

Course Number

206

Course Title (long)

Human Growth and Development I

Course Description

The student will demonstrate an understanding of development from birth through adolescence. Emphasis will be placed on different theoretical views of development and reactions to them. The student will validate important concepts with theories, laboratory experience and research findings. (Prerequisite: PSYC-105 or PSYC-106)

Credit Hours

Min:

3

Billing Hours

Min:

3

General Education Competencies

Social Sciences (SS)

School

School of Business,
Humanities and Social
Science

Division

Division of Humanities &
Social Science

Department(s) ~*

Psychology

Syllabus (Ctrl + click)

[PSYC-206](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ANY of the following Courses: - PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology II: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC206 - CLO 1	Outcome Utilize empirically validated perspectives and critical thinking skills to analyze and explain the changes that occur as humans move from infancy through adolescence.

Name PSYC206 - CLO 2	Outcome Analyze and evaluate parenting and child-care skills Students will demonstrate their understanding through class discussion, testing, and written research assignments.

PSYC207 - Human Growth and Development II

Course Information

Course Number 207	Course Title (long) Human Growth and Development II	Course Description The student will demonstrate an understanding of human development in the second half of the life cycle. Emphasis will be placed on a lifespan perspective of important developmental tasks encountered during young adulthood, middle age and later life, such as deciding on a career, selecting a mate, adjusting to parenthood, adjusting to a decline in physical ability, establishing new life patterns in retirement, etc. Information will come from theory, research and first-hand observation. (Prerequisite: PSYC-105 or PSYC-106)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies Social Sciences (SS)		
School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology

Course Requirements

Simple Requisites
Prerequisite Type Prerequisite
Career Studies Complete ANY of the following Courses: • PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects • PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

PSYC208 - Life Span Development

Course Information

Course Number
208

Course Title (long)
Life Span Development

Course Description
Lifespan Development is a broad-based course in developmental psychology that explores the processes that shape human development from conception to death. In this course, the scientific study of the biological, psychological, cognitive, emotional, personal, and social changes that occur throughout the lifespan will be examined with respect to the effects of heredity and culture, major developmental theories, moral development, gender role issues, sexuality, and family relationship issues that occur at every stage of development. Controversial and ethical issues relevant to lifespan development and the scientific study of human development will be critically examined and analyzed.(Prerequisite: PSYC-105 or PSYC-106)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Social Sciences (SS), Ethical Reasoning and Action (E)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC-208](#)

Name PSYC208 - CLO 1	Outcome Identify basic concepts and methods of studying human growth and development throughout the lifespan.
Name PSYC208 - CLO 2	Outcome Differentiate between and evaluate the various theories of human development.
Name PSYC208 - CLO 3	Outcome Identify and explain the major developmental milestones in the physical, cognitive, social, and emotional domains of human lifespan development during prenatal development, infancy, early childhood, middle childhood, adolescence, early adulthood, middle adulthood, and late adulthood.
Name PSYC208 - CLO 4	Outcome Critically examine, analyze, and defend positions based on research findings on emerging, controversial, and ethical issues in the scientific study of lifespan development.

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ANY of the following Courses: - PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology li: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

PSYC209 - Theories of Personality

Course Information

Course Number
209

Course Title (long)
Theories of Personality

Course Description
In this course, students are introduced to the major thinkers, concepts, and trends within the field of personality study. This is accomplished via an introduction to the ideas of selected major personality theorists from the history of western psychology. Emphasis will be placed upon understanding how these theorists view the development of personality and the implications of each theory's assumptions regarding human nature. Students are asked to grapple with such fundamental questions as: What is personality? What factors may influence the development of personality? How are various personality theories similar and different? How are individual personalities similar and different? (Prerequisite: PSYC-106.)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC-209](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- PSYC106 - Introduction to Psychology II: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC209 - CLO 1	Outcome Demonstrate a greater understanding of personality and its development by using theoretically sound perspectives and critical thinking skills.

Name PSYC209 - CLO 2	Outcome Evaluate behavior and then apply conclusions that enhance appreciation for human diversity and one's own personality development.
Name PSYC209 - CLO 3	Outcome Compare and contrast the strengths and limitations of the theories reviewed in the course.
Name PSYC209 - CLO 4	Outcome Demonstrate via testing and articulation of their knowledge of various personality theories in written and oral form.
Name PSYC209 - CLO 5	Outcome Examine how theories of human personality can be influenced by cultural and historical context.

PSYC212 - Community Agencies and Human Service Systems

Course Information

Course Number
212

Course Title (long)
Community Agencies and Human Service Systems

Course Description
Students will gain understanding of the human services from an organizational and programmatic perspective. They will learn about the structure of human services organizations, the nature of the work environment, the role of management and supervision, the responsibilities of key personnel, and the fundraising and financial considerations. Students will develop the skills of program planning and grant writing, as well as continue to investigate the local delivery system with focus on human service resources available in Monmouth County. (Prerequisite(s): A grade of "C" or better in PSYC-111; or permission from the instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC-212](#)

Course Requirements

Simple Requisites

Prerequisite Type	Prerequisite
Career Studies	
Fulfill ANY of the following requirements:	
Criteria 1	
Earn a minimum grade of "C" in the following:	
PSYC111 - Introduction to Human Services	
OR	
Criteria 2	
OR:	
Permission from the instructor.	

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC212 - CLO 1	Outcome Analyze how human services organizations meet their programmatic goals for diverse communities.
Name PSYC212 - CLO 2	Outcome Investigate a grassroots issue and describe the logistics involved in community change.
Name PSYC212 - CLO 3	Outcome Identify and appraise the human services needs of a community, using the needs assessment.
Name PSYC212 - CLO 4	Outcome Initiate a relevant program planning strategy for a community in need.
Name PSYC212 - CLO 5	Outcome Locate request for proposals (RFPs) for the purpose of obtaining grant funding.
Name PSYC212 - CLO 6	Outcome Create and present a program plan and complete a grant proposal.

PSYC215 - Counseling Techniques

Course Information

Course Number
215

Course Title (long)
Counseling Techniques

Course Description
Students will study and practice basic strategies for helping within the context of interviewing, individual and group counseling. Competency will be evaluated through the use of videotapes, discussion, and participation in class activities. Students will spend 40 hours in an internship dedicated to the human services, during which direct practice will take place. (Prerequisites: PSYC-105 or PSYC-106;a grade of "C" or better in PSYC-111; or permission from the instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC-215](#)

Course Requirements

Simple Requisites

Prerequisite Type	Prerequisite
	Career Studies I
	Complete ANY of the following Courses:
	- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology li: Personality & Social Aspects
	Career Studies II
	Fulfill ANY of the following requirements:
	Criteria 1
	Earn a minimum grade of "C" in the following:
	PSYC111 - Introduction to Human Services
	OR
	Criteria 2

OR:
Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC215 - CLO 1	Outcome Classify various counseling theories.
Name PSYC215 - CLO 2	Outcome Practice various counseling techniques.
Name PSYC215 - CLO 3	Outcome Demonstrate counseling skills in class and in the field internship.
Name PSYC215 - CLO 4	Outcome Determine the appropriate client intervention and problem-solving technique through class and field practice by completing a 40-hour internship at a satisfactory level.
Name PSYC215 - CLO 5	Outcome Demonstrate and appraise counseling attributes that reflect respect, genuineness, acceptance, reciprocity, empathy, and empowerment in written assignments, class discussions, practice in class, and the field internship.

PSYC216 - Introduction to Psychopathology

Course Information

Course Number
216

Course Title (long)
Introduction to Psychopathology

Course Description
The student will demonstrate knowledge of the description, natural history and psychodynamics of various types of abnormal behavior in order to function effectively as a member of a treatment team. (Prerequisites: PSYC-105 or PSYC-106; PSYC-111 required for Human Services Program majors)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC-216](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ANY of the following Courses: - PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology li: Personality & Social Aspects
Human Services Program <i>Only required for Human Services Program majors.</i> Complete ALL of the following Courses: PSYC111 - Introduction to Human Services

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC216 - CLO 1	Outcome Examine the historical and contemporary understanding of various types of abnormal behavior.
Name PSYC216 - CLO 2	Outcome Recognize the indicators of abnormality in their own and others' behaviors.
Name PSYC216 - CLO 3	Outcome Analyze and critically evaluate information to become effective members of a treatment team.
Name PSYC216 - CLO 4	Outcome Analyze various ethical issues in the diagnosis and treatment of individuals with mental disorders and explain their understanding of these topics through class discussion, testing, and paper writing.

PSYC217 - Social Psychology

Course Information

Course Number
217

Course Title (long)
Social Psychology

Course Description

This second level course is devoted to the scientific study of how thoughts, feelings and behaviors of individuals are affected by other people. It is a survey of the field of social psychology with a special emphasis on defining and explaining prejudice. Students study what psychologists have learned through research into social perception, social influence, interpersonal attraction, helping and hurting behaviors, group dynamics and other fundamental topics in social psychology. The information acquired is then applied to an examination of the origins of prejudice, characteristics of prejudiced persons, the impact of prejudice on targeted groups, the individuals involved with prejudice and on society in general. While based primarily on a lecture format, this course also involves use of the internet for research, planned assignments and communication with the instructor and other students. (Prerequisite: PSYC-105 or PSYC-106 with a grade of "C" or higher)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies

Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)

[PSYC217](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects
OR PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Name

PSYC217 - CLO 1

Outcome

Identify and describe the major concepts within social psychology which is the science of human behavior in social situations.

Name

PSYC217 - CLO 2

Outcome

Examine the important methods, terms, theories and findings in the field of social psychology, including mechanisms of social perception, varieties of social influence, the dynamics of interpersonal attraction at several levels, helping and hurting behaviors and the phenomena of group dynamics .

Name

PSYC217 - CLO 3

Outcome

Apply the basic concepts from the field to the study of the vexing social phenomenon of prejudice. This Learning Outcome helps students to develop in ways that address the diversity component in the College's General Education policy.

Course Learning Outcomes

Upon completion of this course, students will be able to:

PSYC218 - Educational Psychology

Course Information

Course Number
218

Course Title (long)
Educational Psychology

Course Description
This course is designed to assist students with the application of psychological principles to classrooms at all educational levels. Topics include: cognitive development, learning theories, motivation, multicultural issues, and student assessment. Course activities include the use of instructor and guest lectures, small group discussion, and student presentations. (Prerequisite(s): PSYC-105 or PSYC-106. (PSYC-105 is recommended for Education Majors).

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC218](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ANY of the following Courses:
- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects
PSYC-105 is recommended for Education Majors

PSYC219 - Positive Psychology

Course Information

Course Number
219

Course Title (long)
Positive Psychology

Course Description
Positive psychology is a new, emerging subfield that addresses important questions about how we lead our lives, find happiness and satisfaction in life, and deal with life's challenges. The main goal of this course is to review and summarize the the major empirical findings and theories within each major area of positive psychology. A basic psychology premise is that the field of psychology is out of balance, with more focus on the negatives in human behavior than the positives. Firmly rooted in modern research and theory-building, students studying Positive Psychology will study, among other things, hope, forgiveness and the physical and mental benefits of positive emotions.This course is offered only in the Spring term. (Prerequisites: PSYC-105 or PSYC-106)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC219](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite
Career Studies
Complete ANY of the following Courses:
- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC219 - CLO 1	Outcome Explore the important methods, terms, theories and findings in the field of positive psychology through journal writing, participation in regular and formal group discussions, presentations, quizzes, mid-term and final exams, and a research report.

Name PSYC219 - CLO 2	Outcome Summarize the most important research related to the psychological definition and measurement of well-being and happiness, the importance of self-regulation of thoughts and emotions in goal-directed behavior, the relationship between personal traits and happiness, the importance of relationships to well-being and happiness, and the contributions of religious beliefs to happiness, personal development, and coping with adversity.

Name PSYC219 - CLO 3	Outcome Apply the basic concepts from the discipline to an analysis of their own lives, personal strengths and value.

PSYC221 - Individual Counseling for the Addicted Client

Course Information

Course Number
221

Course Title (long)
Individual Counseling for the Addicted Client

Course Description
This course is designed to be an introductory course in individual therapeutic interventions with clients suffering from addictions. The course focuses on individual counseling, crisis intervention, client advocacy and case management, and the legal aspects of counseling addicted clients. NOTE: This course is offered only in the Fall term. (Prerequisite: PSYC-125)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC221](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: PSYC125 - Introduction to Addiction Studies

Course Learning Outcomes

Upon completion of this course students will be able to:

Name PSYC221 - CLO 1	Outcome Explain to clients the need for consultation and obtain written consent when needed in order to provide quality care.

Name PSYC221 - CLO 2	Outcome Analyze, diagnose, and classify substance abuse problems.
Name PSYC221 - CLO 3	Outcome Recommend and execute care and follow-up appropriate to the client's needs after the initial phase is completed utilizing a variety of interventions.
Name PSYC221 - CLO 4	Outcome Utilize teaching, modeling, and other counseling techniques to support clients, family members, and significant other in establishing and maintaining new behaviors or changes in behavior in order to minimize relapse.
Name PSYC221 - CLO 5	Outcome Demonstrate respect and accepting attitudes/behaviors toward the diverse cultures, lifestyles, and spiritual beliefs of all clients, family members, and significant others.
Name PSYC221 - CLO 6	Outcome Appraise public policies and agency regulations regarding substance abuse and treatment.

PSYC222 - Social, Cultural, and Familial Aspects Of Addiction

Course Information

Course Number

222

Course Title (long)

Social, Cultural, and Familial Aspects Of Addiction

Course Description

This course explores the addicted clients' interpersonal milieu and the impact of their social situation on their lifestyle. The course focuses on the role of families and communities in the addictive process. The issues that are the focus of this course are community and professional education, socio-cultural aspects of drug and alcohol addiction, socio-cultural sensitivity and education, community involvement, and family counseling. NOTE: This course is offered only in the Spring term. (Prerequisite: PSYC-125)

Credit Hours

Min:

3

Billing Hours

Min:

3

School

School of Business,
Humanities and Social
Science

Division

Division of Humanities &
Social Science

Department(s) ~*

Psychology

Syllabus (Ctrl + click)

[PSYC222](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- PSYC125 - Introduction to Addiction Studies

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC222 - CLO 1	Outcome Explain and express to clients, family, and significant others the role of defense mechanisms (especially denial and minimization) through confrontation, teaching, and eliciting feedback, in order to further the recovery process.

Name PSYC222 - CLO 2	Outcome Demonstrate competence through regular consultation with supervisors and peers in order to assess case management techniques.
Name PSYC222 - CLO 3	Outcome Explain and apply relevant education to the client through formal and informal processes to introduce specific knowledge to support the recovery process.
Name PSYC222 - CLO 4	Outcome Develop and construct professional relationships with civic groups, other professionals, government entities, and the community in general through open communication and supportive involvement to expand community resources.

PSYC225 - Human Sexuality

Course Information

Course Number 225	Course Title (long) Human Sexuality	Course Description This comprehensive course will examine human sexuality holistically from multiple perspectives inclusive of physiological, psychological, and social cultural variables. Students will study sex anatomy, the physiology of sex and reproduction, theories of psychosexual development, cross-cultural patterns of sexuality, gender identity and roles inclusive of gender variance, sexual dysfunction, sexual relationships, and legal aspects of sexual behavior. (Prerequisite or Corequisite: PSYC-105 or PSYC-106)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology

Syllabus (Ctrl + click)
[PSYC225](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Complete ANY of the following Courses: - PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects
Corequisite Type Corequisite	Career Studies Enroll in the following Courses: - PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects OR PSYC106 - Introduction to Psychology Ii: Personality &

Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC225 - CLO 1	Outcome Investigate and critically analyze key concepts related to the biopsychosociology of human sexuality, such as the process of sexual development throughout the lifespan, the range of sexual beliefs and behaviors that exist both historically and cross-culturally, and the role of gender in human sexuality.
Name PSYC225 - CLO 2	Outcome Summarize and synthesize research related to gender, as well as human sexual beliefs, attitudes, and behaviors, with special attention to cross-cultural similarities and differences.
Name PSYC225 - CLO 3	Outcome Analyze how differences in sexual beliefs, attitudes, and behaviors influence prejudice and discrimination in American society.

PSYC226 - Adolescent Psychology

Course Information

Course Number
226

Course Title (long)
Adolescent Psychology

Course Description
Adolescence is a transitional period in the human life span, linking childhood and adulthood. In this course, the scientific study of the biological, psychological, cognitive, emotional, personal, and social changes that occur during adolescence will be examined with respect to the effects of heredity and culture, major theories, moral development, gender role issues, sexuality, and family relationship issues. Controversial and ethical issues relevant to this phase of life and the scientific study of adolescence will be critically examined and analyzed.(Prerequisites: PSYC-105 or PSYC-106)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS), Ethical Reasoning and Action (E)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC226](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite
Career Studies
Complete ANY of the following Courses:
- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC226 - CLO 1

Name PSYC226 - CLO 2
Name PSYC226 - CLO 3
Name PSYC226 - CLO 4
Name PSYC226 - CLO 5
Name PSYC226 - CLO 6

PSYC227 - Cognitive Psychology

Course Information

Course Number
227

Course Title (long)
Cognitive Psychology

Course Description
This course introduces the student to the broad-based study of human cognition. Topics include perception, attention, memory, knowledge representation, language, problem solving, thinking, and reasoning. Upon successful completion of the course, students will understand how the world is represented as well as the processes underlying those representations. Real-world implications of laboratory findings will be considered. (Prerequisite: A grade of "C" or higher in PSYC-105)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC227](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC227 - CLO 1
Name PSYC227 - CLO 2

Name PSYC227 - CLO 3
Name PSYC227 - CLO 4
Name PSYC227 - CLO 5

PSYC228 - Cross-Cultural Psychology

Course Information

Course Number
228

Course Title (long)
Cross-Cultural Psychology

Course Description
This course examines the cultural foundations of psychological processes and human behavior. We will examine the role of culture in psychology, look at the way in which psychologists have traditionally examined culture, and explore practices in various cultures throughout the world. The course will emphasize cultural interpretation of basic research and the real-world applications of cross-cultural psychology and will explore topics such as interpersonal relationships, social behaviors, and ethnocentrism. (Prerequisite or Corequisite: PSYC-105 or PSYC-106)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC228](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ANY of the following Courses: - PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects
Corequisite Type Corequisite
Career Studies Enroll in the following Courses: PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects OR PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC228 - CLO 1	Outcome To accurately interpret information falling within the major content areas of cultural psychology.
Name PSYC228 - CLO 2	Outcome To make relevant connections between current data and cultural psychology's historical development.
Name PSYC228 - CLO 3	Outcome To analyze psychological topics from a culturally relevant point of view.
Name PSYC228 - CLO 4	Outcome To evaluate psychological issues in a culturally competent, non-ethnocentric manner.

PSYC235 - Group Dynamics

Course Information

Course Number 235	Course Description Students will study basic concepts, trends, and areas of discussion with regard to group therapy and group dynamics. The course is designed to give both theoretical and "hands-on" exposure to group psychological dynamics and group process. Students are primarily exposed to the theory and practice of group psychotherapy. Other material relevant to group psychology and group interactions is integrated into class discussions and group activities. The course is writing intensive and students will be asked to participate in a mock therapy group. The class will integrate themes from other areas of group studies, such as discussions of general group dynamics, specialty and support groups, psychoeducational groups, and classroom dynamics. Auditing of this course is not permitted. (Prerequisites: A grade of "C" or higher in PSYC-105 or PSYC-106 and PSYC-111 or permission of the instructor).
Course Title (long) Group Dynamics	
Credit Hours Min: 3	
Billing Hours Min: 3	

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology
Syllabus (Ctrl + click) PSYC235		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Complete ANY of the following Courses: - PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects - PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects
Career Studies II Fulfill ANY of the following requirements: Criteria 1 Earn a minimum grade of "C" in the following: PSYC111 - Introduction to Human Services

OR

Criteria 2

OR:

- Permission of the instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC235 - CLO 1	Outcome Articulate the nature of group interactions, particularly as they relate to creating interpersonal environments that are conducive to peace, relating, understanding, empathy, and healing.
Name PSYC235 - CLO 2	Outcome Identify the complexities associated with intersubjective dynamics.
Name PSYC235 - CLO 3	Outcome Engage in thoughtful reflection regarding one's own sensitivity to diverse personal backgrounds within the group context.
Name PSYC235 - CLO 4	Outcome Demonstrate competency in observing, analyzing, and/or writing about group processes.
Name PSYC235 - CLO 5	Outcome Participate in groups, as well as exercise group facilitation skills.

PSYC245 - Introduction to Quantitative Methods In Social Science Research

Course Information

Course Number
245

Course Title (long)
Introduction to Quantitative Methods In Social Science Research

Course Description
Students will find, read and analyze published research in the Behavioral and Social Sciences. Students will engage in and analyze various methods of social science research and also learn the fundamentals of descriptive and inferential statistics. Students will be introduced to the use of computers and use state-of-the-art statistical programs and will begin to develop effective research and data analysis skills. Students will have the option of enrolling in an additional one credit laboratory course designed to develop their skills in research design and statistical and data analysis using statistical software packages. (Prerequisites: MATH-021 or satisfactory completion of the College's foundational studies requirement in algebra and at least one of the following courses with a "C" or better: PSYC-105, PSYC-106, SOCI-101, CRJU-101 or POLI-101)

Credit Hours
Min:
3

Billing Hours
Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology

Syllabus (Ctrl + click)
[PSYC245](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- Foundational Studies Requirement in Algebra

Must be MATH-021

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in algebra.

Career Studies

Fulfill ALL of the following requirements:

Criteria 1

Complete exactly 1 course(s) and earn credits from the following:

- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects
- PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects
- SOCI101 - Principles of Sociology
- CRJU101 - Introduction to Criminal Justice System
- POLI101 - Introduction to Political Science

AND

Criteria 2

Earn a minimum grade of "C" in the following:

- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects
- OR PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects
- OR SOCI101 - Principles of Sociology
- OR CRJU101 - Introduction to Criminal Justice System
- OR POLI101 - Introduction to Political Science

Name
PSYC245 - CLO 3

Tags
Critical Thinking, Historical/Societal Analysis

Outcome
Illustrate and analyze how these topics have contributed to the development of critical and analytical thinking about information constantly flowing from the media (CRITICAL THINKING; HISTORICAL/SOCIETAL ANALYSIS.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name
PSYC245 - CLO 1

Tags
Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science)

Outcome
Recognize scientific methods, manipulate some components of experiments, and use a variety of statistical procedures (MATHMATICAL/SCIENTIFIC REASONING).

Name
PSYC245 - CLO 2

Tags
Critical Thinking

Outcome
Apply this core knowledge to work with basic statistical information and measurement requirements such as reliability and validity (CRITICAL THINKING).

PSYC246 - Quantitative Methods Lab

Course Information

Course Number
246

Course Title (long)
Quantitative Methods Lab

Course Description
This laboratory course in quantitative methods is designed to develop student skills by providing additional opportunities to engage in data analytic techniques. Statistical operations learned in Introduction to Quantitative Methods in Social Science research are placed in a real life context; students will learn to apply empirical methods to solve problems in a variety of industrial, educational and managerial situations. As such this laboratory course focuses on the application of descriptive and inferential statistical procedures to quantitative methodologies (e.g. T-test and ANOVA) using statistical software (e.g. SPSS and MS Excel). (Prerequisites: MATH-021 or satisfactory completion of the College's foundational studies requirement in algebra and at least one of the following courses with a grade of "C" or better: PSYC-105, PSYC-106, SOCI-101, CRJU-101 or POLI-101; Prerequisite or Corequisite: PSYC-245)

Credit Hours
Min:
1

Billing Hours
Min:
1

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology
Syllabus (Ctrl + click) PSYC246		

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Foundational Studies Requirement in Algebra

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Algebra](#)

Must be MATH-021

OR

Criteria 2

OR:

- Satisfactory completion of the College's foundational studies requirement in algebra.

Career Studies I

Earn a minimum grade of "C" in the following:

- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects
- OR PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects
- OR SOCI101 - Principles of Sociology
- OR CRJU101 - Introduction to Criminal Justice System
- OR POLI101 - Introduction to Political Science

Career Studies II

Complete ALL of the following Courses:

- PSYC245 - Introduction to Quantitative Methods In Social Science Research

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- PSYC245 - Introduction to Quantitative Methods In Social Science Research

Course Learning Outcomes

Upon completion of this course, students will be able to:

Tags	
Name	Technological Competency (Technology)
PSYC246 - CLO 1	
Outcome	
The student will receive instruction in and be able to use computer systems and statistical software packages [Technological Literacy].	

Tags	
Name	Information Literacy (Integrated Course Goal)
PSYC246 - CLO 2	
Outcome	
The student will be able to identify a need for information and collect, analyze, organize, and evaluate information from a variety of sources; synthesizing, documenting and presenting research data [Information Literacy].	

	Tags Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science)
Name PSYC246 - CLO 3	
Outcome The student will learn to apply descriptive and inferential statistical procedures to analyze and solve research questions using quantitative methods [Mathematical/Scientific Reasoning].	

PSYC247 - Quantitative Methods in Psychology

Course Information

Course Number
247

Course Title (long)
Quantitative Methods in Psychology

Course Description
Quantitative methods used in psychological research: descriptive and inferential statistics. In this course, methods are situated within the design and interpretation of experimental data. Includes such methods as z-tests, correlation and regression, t-tests (single sample, dependent and independent means), and ANOVA (single and two-factor) and their application with statistical software. (Prerequisite(s): MATH-021 or satisfactory completion of the College's foundational studies requirement in algebra and at least a grade of "C" or better in PSYC-105 or PSYC-106)

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC247](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Algebra
Fulfill ANY of the following requirements:
Criteria 1
Complete at least 1 courses in the following course sets:
Foundational Studies Requirement in Algebra
<i>Must be MATH-021</i>
OR
Criteria 2
OR:
Satisfactory completion of the College's foundational studies requirement in algebra.

Career Studies

Earn a minimum grade of "C" in the following:

- PSYC105 - Introduction T Psychology I: Physical & Sensory Aspects
- OR PSYC106 - Introduction to Psychology II: Personality & Social Aspects

PSYC285 - Human Services Practicum: Application of Human Services

Course Information

Course Number
285

Course Title (long)
Human Services Practicum: Application of Human Services

Course Description
Students will obtain practical and occupational experience working in a social service agency. Students will learn about the agency's setting, operations, methods of service delivery, and target population; engage in direct service; and explore personal interests and potential for growth as a human services professional (HSP). Under the supervision of a Department of Psychology and Human Services instructor and an approved agency supervisor, students will complement their internship with seminar participation. Students will attend seminar to assess, analyze and reflect upon their agency's inner-workings and overall effectiveness, as well as upon their personal contributions to the agency. One-on-one and whole-class supervision will be provided. [One unit of credit shall be earned for each 75 hours of field work experience for a total of 225 hours and 3 credits. Number of credits to be earned in a semester must be determined with Human Services Program approval before registering.](Prerequisites: PSYC-111, PSYC-215, PSYC-235, and the approval of the instructor; Prerequisite or corequisite: PSYC-212)

Credit Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Psychology

Syllabus (Ctrl + click)
[PSYC-285](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Fulfill ALL of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- PSYC111 - Introduction to Human Services
- PSYC212 - Community Agencies and Human Service Systems
- PSYC215 - Counseling Techniques
- PSYC235 - Group Dynamics

AND

Criteria 2

Course Learning Outcomes

Upon completion of this course, students will be able to:

Outcome Apply and calculate quantitative methods (e.g., z-tests, correlation, regression, t-tests (single sample, dependent and independent means), and/or ANOVA (single and two-factor) for the appropriate design and interpretation of experimental data.	Name PSYC247 - CLO 1
Outcome Demonstrate the use of statistical software (e.g., SPSS) in the application of quantitative methods in context to the appropriate design and interpretation of experimental data.	Name PSYC247 - CLO 2
Outcome Demonstrate critical thinking through the evaluation, analysis, and synthesis of research, in relation to the design and interpretation of experimental data via written research in APA format.	Name PSYC247 - CLO 3

OR:

- The approval of the instructor.

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- PSYC212 - Community Agencies and Human Service Systems

Name PSYC285 - CLO 8	Outcome Develop a self-evaluation of field skills in a human service setting.
Name PSYC285 - CLO 9	Outcome Successfully complete the internship at a satisfactory level, according to assigned supervisors.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name PSYC285 - CLO 1	Outcome Employ the human services model when analyzing a client, family, and community.
Name PSYC285 - CLO 2	Outcome Apply a case management model.
Name PSYC285 - CLO 3	Outcome Demonstrate an understanding of problem-solving processes as a treatment modality.
Name PSYC285 - CLO 4	Outcome Exercise cultural competency in working with individuals of diverse background.
Name PSYC285 - CLO 5	Outcome Conceptualize and present a structured treatment plan based on human service principles used to address client's personal problems and their impact on family and community systems.
Name PSYC285 - CLO 6	Outcome Relate and apply the ethical code of the National Organization of Human Services.
Name PSYC285 - CLO 7	Outcome Describe a target client population through objective process notes and in-depth reflection writing.

PSYC295 - Special Project - Psychology

Course Information

Course Number 295		
Course Title (long) Special Project - Psychology		
Course Description (Prerequisite: Approval of instructor)		
Credit Hours	Min: 1	Max: 6
School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Psychology

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ALL of the following requirements:

- Approval of instructor.

RADT150 - Introduction to Radiologic Technology

Course Information

Course Number
150

Course Title (long)
Introduction to Radiologic Technology

Course Description
This introductory course provides a foundation for the practice of radiologic technology. It provides fundamental concepts of radiation protection principles and image creation and processing concepts.(Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111; Admission to the Radiologic Technology Program; Corequisites: RADT-151, RADT-152 and RADT-153)

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT150](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I
Admission Requirement Fulfill ALL of the following requirements: Admission to the Radiologic Technology Program.

Corequisite Type Corequisite
Career Studies Enroll in the following Courses: - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I - RADT153 - Methods of Patient Care

Course Learning Outcomes

Name RADT150 - CLO 1	Outcome Demonstrate appropriate radiation protection procedures and techniques.
Name RADT150 - CLO 2	Outcome Apply technical principles of image development to film/ screen and digital imaging processes.

RADT151 - Radiographic Exposure

Course Information

Course Number
151

Course Title (long)
Radiographic Exposure

Course Description
This course covers the principles of radiographic exposure selection and manipulation to produce quality radiographic images. Theoretical principles and mathematical calculations of basic x-ray production, characteristics of quality radiographs, exposure factors and control of radiographic image qualities are discussed. (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111; Admission to the Radiologic Technology Program; Corequisites: RADT-150, RADT-152 and RADT-153)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT151](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- HESC105 - Medical Terminology
- BIOL111 - Anatomy and Physiology I

Admission Requirement

Fulfill ALL of the following requirements:

- Admission to the Radiologic Technology Program.

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- RADT150 - Introduction to Radiologic Technology
- RADT152 - Radiographic Procedures I
- RADT153 - Methods of Patient Care

Course Learning Outcomes

Upon completion of the course, the student will be able to:

Name RADT151 - CLO 1	Outcome Apply various concepts and terminology pertaining to radiation exposure and image production.

Name RADT151 - CLO 2	Outcome Describe the characteristics and functions of the parts of the x-ray tube and how xradiation is produced for image development.

Name RADT151 - CLO 3	Outcome Assess the clinical significance of the selection of exposure factors on the creation of radiation exposure and image quality characteristics.

Name RADT151 - CLO 4	Outcome Analyze the clinical significance of the utilization of imaging accessory on image quality characteristics.

RADT151LAB - Radiographic Exposure I Lab

Course Information

Course Number
151LAB

Course Title (long)
Radiographic Exposure I Lab

Credit Hours
Min:
0

Billing Hours
Min:
0

Department(s) ~*
Radiologic Technology

RADT152 - Radiographic Procedures I

Course Information

Course Number
152

Course Title (long)
Radiographic Procedures I

Course Description
This course covers positioning terminology and anatomy, and procedure protocols for chest, abdomen, and upper extremity, and pediatric and geriatric procedures. Students will demonstrate chest and abdomen procedures in the clinical setting. (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111; Admission to the Radiologic Technology Program; Corequisites: RADT-150, RADT-151 and RADT-153)

Credit Hours
Min:
6

Billing Hours
Min:
6

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT152](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I
Admission Requirement
Fulfill ALL of the following requirements: Admission to the Radiologic Technology Program.

Corequisite Type Corequisite
Career Studies
Enroll in the following Courses: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT153 - Methods of Patient Care

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RADT152 - CLO 1	Outcome Implement appropriate radiation protection procedures and techniques.
Name RADT152 - CLO 2	Outcome Perform radiographic examinations of the Chest, Abdomen and Upper Extremities.
Name RADT152 - CLO 3	Outcome Teach patients relevant radiation protection information and procedural information when performing imaging procedures.
Name RADT152 - CLO 4	Outcome Manipulate exposure factors to create a diagnostic image.
Name RADT152 - CLO 5	Outcome Apply ethical and legal principles as they relate to the practice of radiologic technology.
Name RADT152 - CLO 6	Outcome Demonstrate the use of therapeutic communication strategies in interpersonal interactions with patients, peers, and healthcare staff.
Name RADT152 - CLO 7	Outcome Apply an understanding of the role and function of the radiologic technologist within the healthcare team.

RADT152LAB - Radiographic Procedures I Lab

Course Information

Course Number
152LAB

Course Title (long)
Radiographic Procedures I Lab

Credit Hours

Min:
0

Billing Hours

Min:
0

Department(s) ~*
Radiologic Technology

RADT153 - Methods of Patient Care

Course Information

Course Number
153

Course Title (long)
Methods of Patient Care

Course Description

This introductory course provides a foundation for the practice of radiologic technology including methods of patient care, assessment and safety, ethical practice and documentation. Students will have the opportunity to practice skills in the laboratory setting and demonstrate patient care skills in clinical setting. (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111; Admission to Radiologic Technology Program; (Corequisites: RADT-150, RADT-151, and RADT-152)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT153](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I Admission Requirement Fulfill ALL of the following requirements: - Admission to Radiologic Technology Program
Corequisite Type Corequisite Career Studies Enroll in the following Courses: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RADT153 - CLO 1	Outcome Demonstrate basic patient care skills using simulated laboratory exercises.
Name RADT153 - CLO 2	Outcome Demonstrate appropriate body mechanics when implementing basic imaging procedures.
Name RADT153 - CLO 3	Tags Written and Oral Communication (Communication) Outcome Implement principles of therapeutic communication with students and faculty. (Communication.)
Name RADT153 - CLO 4	Outcome Identify the ethical/legal principles that support the practice of Radiologic Technology.

RADT153LAB - Intro to Patient Care Lab

Course Information

Course Number
153LAB

Course Title (long)
Intro to Patient Care Lab

Credit Hours
Min:
0

Billing Hours
Min:
0

Department(s) ~*
Radiologic Technology

RADT155 - Principles of Radiation Biology

Course Information

Course Number
155

Course Title (long)
Principles of Radiation Biology

Course Description
This course covers the effects of radiation exposure on human tissue. Cell life and function, cell division, cell and organ sensitivity to radiation, direct and indirect theories of radiation interaction, radiolysis, acute and late effects of radiation exposure, dose response relationships and occupational and fetal exposures to radiation are discussed. (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111, Admission to the Radiologic Technology Program, and a grade of "C" or higher in RADT-150, RADT-151, RADT-152 and RADT-153; Corequisites: RADT-156 and RADT-157)

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT155](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I
Career Studies II Earn a minimum grade of "C" in the following: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I - RADT153 - Methods of Patient Care
Admission Requirement Fulfill ALL of the following requirements: Admission to the Radiologic Technology Program.
Corequisite Type Corequisite

Career Studies

Enroll in the following Courses:

- RADT156 - Equipment Operation I
- RADT157 - Radiographic Procedures II

Course Learning Outcomes

On completion of this course, the student will be able to:

Name RADT155 - CLO 1	Outcome Assess the clinical significance of the interaction of radiation with matter and its effects on patient dose.
Name RADT155 - CLO 2	Outcome Assess factors that influence acute and late effects of whole body and part body radiation exposures.
Name RADT155 - CLO 3	Outcome Differentiate between somatic and genetic radiation effects.
Name RADT155 - CLO 4	Outcome Evaluate the clinical significance of the effects of radiation on the developing fetus and the importance of monitoring occupational exposure rates.

RADT156 - Equipment Operation I

Course Information

Course Number
156

Course Title (long)
Equipment Operation I

Course Description
This course covers the principles of equipment operation and maintenance of radiographic imaging equipment. It includes x-ray tube maintenance and malfunctions, image intensified and digital fluoroscopic imaging, digital imaging systems, tomographic imaging, automatic exposure control systems, and the development of digital radiographic exposure charts. (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111 Admission to the Radiologic Technology Program, and a grade of "C" or higher in RADT-150, RADT-151, RADT-152 and RADT-153; Corequisites: RADT-155 and RADT-157)

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT156](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: • HESC105 - Medical Terminology • BIOL111 - Anatomy and Physiology I
Career Studies II Earn a minimum grade of "C" in the following: • RADT150 - Introduction to Radiologic Technology • RADT151 - Radiographic Exposure • RADT152 - Radiographic Procedures I • RADT153 - Methods of Patient Care
Admission Requirement Fulfill ALL of the following requirements: • Admission to the Radiologic Technology Program.
Corequisite Type Corequisite

Career Studies

Enroll in the following Courses:

- RADT155 - Principles of Radiation Biology
- RADT157 - Radiographic Procedures II

Course Learning Outcomes

On completion of this course, the student will be able to:

Name RADT156 - CLO 1	Outcome Discuss proper maintenance and safe operation of x-ray tubes.
Name RADT156 - CLO 2	Outcome Identify common malfunctions of x-ray tubes and related equipment.
Name RADT156 - CLO 3	Outcome Discuss the operation and components of an image intensification system.
Name RADT156 - CLO 4	Outcome Explain the principles and usage of tomography.
Name RADT156 - CLO 5	Outcome Develop exposure charts using exposure principles.

RADT157 - Radiographic Procedures II

Course Information

Course Number
157

Course Title (long)
Radiographic Procedures II

Course Description
This course covers positioning terminology and anatomy and procedures for lower extremities, pelvis and hip, gastrointestinal procedures, mobile, trauma, and operating room radiographic procedures. Students will demonstrate upper and lower extremity procedures in the clinical setting. (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111, Admission to the Radiologic Tecyhnoogy Program, and a grade of "C" or higher in RADT-150, RADT-151, RADT-152 and RADT-153; Corequisites: RADT-155 and RADT-156)

Credit Hours
Min:
6

Billing Hours
Min:
6

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT157](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies I

Earn a minimum grade of "C" in the following:

- HESC105 - Medical Terminology
- BIOL111 - Anatomy and Physiology I

Career Studies II

Earn a minimum grade of "C" in the following:

- RADT150 - Introduction to Radiologic Technology
- RADT151 - Radiographic Exposure
- RADT152 - Radiographic Procedures I
- RADT153 - Methods of Patient Care

Admission Requirement

Fulfill ALL of the following requirements:

- Admission to the Radiologic Technology Program.

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- RADT155 - Principles of Radiation Biology
- RADT156 - Equipment Operation I

RADT157LAB - Radiographic Procedures II Lab

Course Information

Course Number
157LAB

Course Title (long)
Radiographic Procedures II Lab

Credit Hours

Min:
0

Billing Hours

Min:
0

Department(s) ~*
Radiologic Technology

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RADT157 - CLO 1	Outcome Implement appropriate radiation protection procedures and techniques.
Name RADT157 - CLO 2	Outcome Perform radiographic examinations of the upper and lower extremities.
Name RADT157 - CLO 3	Outcome Teach patients relevant radiation protection information and procedural information when performing imaging procedures.
Name RADT157 - CLO 4	Outcome Implement quality control measures when processing film and intensifying screens and digital imaging systems.
Name RADT157 - CLO 5	Outcome Apply ethical and legal principles as they relate to the practice of radiologic technology.
Name RADT157 - CLO 6	Outcome Demonstrate the use of therapeutic communication strategies in interpersonal interactions with patients, peers, and healthcare staff.
Name RADT157 - CLO 7	Outcome Apply an understanding of the role and function of the radiologic technologist within the healthcare team.

RADT158 - Clinical Practicum I

Course Information

Course Number
158

Course Title (long)
Clinical Practicum I

Course Description
In this practicum, the student is placed in the clinical setting to demonstrate performance of contrast enhanced imaging procedures, including genitourinary and gastrointestinal procedures. (Prerequisites: A grade of "C" or higher in HESC-105 and bIOL-111, Admission to the Radiologic Technology Program, and a grade of "C" or higher in RADT-150, RADT-151, RADT-153, RADT-155, RADT-156, and RADT-157)

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT158](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I
Career Studies II Earn a minimum grade of "C" in the following: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I - RADT153 - Methods of Patient Care - RADT155 - Principles of Radiation Biology - RADT156 - Equipment Operation I - RADT157 - Radiographic Procedures II
Admission Requirement Fulfill ALL of the following requirements: Admission to the Radiologic Technology Program.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RADT158 - CLO 1	Outcome Address patient needs to ensure comfort and health.
Name RADT158 - CLO 2	Outcome Obtain pertinent patient medical history.
Name RADT158 - CLO 3	Outcome Convey pertinent patient medical history through written documentation.
Name RADT158 - CLO 4	Outcome Students teach patients and their families.
Name RADT158 - CLO 5	Outcome Protect the safety of their patients, peers and self.
Name RADT158 - CLO 6	Outcome Position the patient to produce quality radiographic images of the Chest, Abdomen, Upper Extremities, Lower Extremities, Contrast Studies Procedures.
Name RADT158 - CLO 7	Outcome Manipulate exposure factors to create a diagnostic image.
Name RADT158 - CLO 8	Outcome Modify imaging parameters to produce intended procedure outcomes.
Name RADT158 - CLO 9	Outcome Work effectively as an interdisciplinary team member.

RADT250 - Equipment Operation II

Course Information

Course Number
250

Course Title (long)
Equipment Operation II

Course Description
This course covers advanced level concepts in x-ray production and equipment operation and maintenance of radiographic units, including current generation, transformers, and rectification as it pertains to the x-ray circuit and x-ray production. (Prerequisite: A grade of "C" or higher in HESC-105 and BIOL-111, Admission to the Radiologic Technology Program, and a grade of "C" or higher in RADT-150, RADT-151, RADT-152, RADT-153, RADT-155, RADT-156, RADT-157, and RADT-158; Corequisites: RADT-251 and RADT-252)

Credit Hours
Min:
2

Billing Hours
Min:
2

School Division Department(s) ~*
School of Health Sciences Division of Health Science Radiologic Technology

Syllabus (Ctrl + click)
[RADT250](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I
Career Studies II Earn a minimum grade of "C" in the following: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I - RADT153 - Methods of Patient Care - RADT155 - Principles of Radiation Biology - RADT156 - Equipment Operation I - RADT157 - Radiographic Procedures II - RADT158 - Clinical Practicum I
Admission Requirement Fulfill ALL of the following requirements: Admission to the Radiologic Technology Program.

Corequisite Type Corequisite
Career Studies Enroll in the following Courses: - RADT251 - Advanced Medical Imaging Modalities - RADT252 - Radiographic Procedures III

Course Learning Outcomes

Name RADT250 - CLO 1	Outcome Compare and contrast the characteristics and function of a proton, neutron, electron, element, compound, molecule and the energy levels and bonding properties of atomic structures.
Name RADT250 - CLO 2	Outcome Identify the components of electrical current: potential difference, currents, and resistance, parts of an electrical circuit and the characteristics of direct and alternating currents.
Name RADT250 - CLO 3	Outcome Apply Ohm’s law to calculate voltage, amperage, and ohms.
Name RADT250 - CLO 4	Outcome Identify the uses of components and functions of primary and secondary sides of a circuit and label a diagram of a complete x-ray circuit.
Name RADT250 - CLO 5	Outcome Describe conditions necessary for x-ray production. Compare and contrast the characteristics and function of a proton, neutron, electron, element, compound, and molecule and the energy levels and bonding properties of atomic structures.

RADT251 - Advanced Medical Imaging Modalities

Course Information

Course Number
251

Course Title (long)
Advanced Medical Imaging Modalities

Course Description
This course covers advanced imaging topics to include quality assurance and quality control testing, advanced contrast media administration, digital imaging processing, and advanced medical imaging modalities. (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111, Admission to the Radiologic Technology Program, and a grade of "C" or higher in RADT-150, RADT-151, RADT-152, RADT-153, RADT-155, RADT-156 RADT-157 and RADT-158; Corequisites: RADT-250 and RADT-252)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT251](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I
Career Studies II Earn a minimum grade of "C" in the following: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I - RADT153 - Methods of Patient Care - RADT155 - Principles of Radiation Biology - RADT156 - Equipment Operation I - RADT157 - Radiographic Procedures II - RADT158 - Clinical Practicum I
Admission Requirement Fulfill ALL of the following requirements: Admission to the Radiologic Technology Program.

Corequisite Type Corequisite
Career Studies Enroll in the following Courses: - RADT250 - Equipment Operation II - RADT252 - Radiographic Procedures III

Course Learning Outcomes

Name RADT251 - CLO 1	Outcome Compare and contrast Quality Improvement, Quality Assurance and Quality Control.
Name RADT251 - CLO 2	Outcome Identify Quality Control tools and testing and explain the purpose of each quality control test.
Name RADT251 - CLO 3	Outcome Demonstrate safe and efficient venipuncture for contrast administration.
Name RADT251 - CLO 4	Outcome Discuss the function of digital imaging components and its applications in imaging sciences.
Name RADT251 - CLO 5	Outcome Discuss the instrumentation and application of special imaging modalities.

RADT252 - Radiographic Procedures III

Course Information

Course Number
252

Course Title (long)
Radiographic Procedures III

Course Description
This course covers positioning terminology and anatomy, and procedure protocols for shoulder girdle, thoracic cavity, spinal procedures and pelvic girdle. CT procedures and cross-sectional imaging are also covered. Students will demonstrate shoulder girdle, thoracic cavity, spinal procedures and Operating Room procedures in the clinical setting. (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111, Admission to the Radiologic Technology Program, and a grade of "C" or higher in RADT-150, RADT-151, RADT-152, RADT-153, RADT-155, RADT-156, RADT-157, and RADT-158; Corequisites: RADT-250 and RADT-251)

Credit Hours
Min:
6

Billing Hours
Min:
6

School Division Department(s) ~*
School of Health Sciences Division of Health Science Radiologic Technology

Syllabus (Ctrl + click)
[RADT252](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I
Career Studies II Earn a minimum grade of "C" in the following: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I - RADT153 - Methods of Patient Care - RADT155 - Principles of Radiation Biology - RADT156 - Equipment Operation I - RADT157 - Radiographic Procedures II - RADT158 - Clinical Practicum I
Corequisite Type Corequisite

Career Studies
Enroll in the following Courses:
- RADT250 - Equipment Operation II - RADT251 - Advanced Medical Imaging Modalities

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RADT252 - CLO 1	Outcome Address patient needs to ensure comfort and health.
Name RADT252 - CLO 2	Outcome Obtain pertinent patient medical history.
Name RADT252 - CLO 3	Outcome Convey pertinent patient medical history through written documentation.
Name RADT252 - CLO 4	Outcome Students teach patients and their families.
Name RADT252 - CLO 5	Outcome Protect the safety of their patients, peers and self.
Name RADT252 - CLO 6	Outcome Position the patient to produce quality radiographic images of the Chest, Abdomen, Upper Extremities, Lower Extremities, Contrast Studies, Shoulder Girdle, Ribs, Spine and OR Procedures
Name RADT252 - CLO 7	Outcome Manipulate exposure factors to create a diagnostic image.
Name RADT252 - CLO 8	Outcome Modify imaging parameters to produce intended procedure outcomes.

Name	Outcome
RADT252 - CLO 9	Work effectively as an interdisciplinary team member.

RADT252LAB - Radiographic Procedures III Lab

Course Information

Course Number
252LAB

Course Title (long)
Radiographic Procedures III Lab

Credit Hours

Min:
0

Billing Hours

Min:
0

Department(s) ~*

Radiologic Technology

RADT255 - Radiographic Pathology

Course Information

Course Number
255

Course Title (long)
Radiographic Pathology

Course Description

This course covers terminology, etiology, and disease processes of various pathological disorders, especially as it pertains to radiographic imaging. Systemic classifications of diseases and radiographic findings are discussed, emphasizing the relationship between imaging modalities and disease diagnosis. (Prerequisites: A grade of "C" or higher in HESC-105 and BloL-111, Admission to the Radiologic Technology Program, and a grade of "C" or higher in RADT-150, RADT-151, radt-152, RADT-153, RADT-155, RADT-156, RADT-157, RADT-158, RADT-250, RADT-251 and RADT-252; Corequisites: RADT-256 and RADT-267).

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies I Earn a minimum grade of "C" in the following: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I
Career Studies II Earn a minimum grade of "C" in the following: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I - RADT153 - Methods of Patient Care - RADT155 - Principles of Radiation Biology - RADT156 - Equipment Operation I - RADT157 - Radiographic Procedures II - RADT158 - Clinical Practicum I - RADT250 - Equipment Operation II - RADT251 - Advanced Medical Imaging Modalities - RADT252 - Radiographic Procedures III
Admission Requirement Fulfill ALL of the following requirements: Admission to the Radiologic Technology Program.

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- RADT256 - Professional Issues in Health Care
- RADT267 - Advanced Imaging Procedures

RADT256 - Professional Issues in Health Care

Course Information

Course Number
256

Course Title (long)
Professional Issues in Health Care

Course Description
This course covers advanced professional principles of radiologic technology and healthcare for theoretical, ethical, social, and economic perspectives. A wide range of topics are explored including scope of practice, professional standards, certification and licensing, advanced professional practice, ethical accountability, legal responsibility, research, healthcare delivery and cultural diversity as it pertains to medical imaging professionals. (This course is taught as a distance education course.) (Prerequisites: A grade of "C" or higher in HESC-105 and BIOL-111, Admission to the Radiologic Technology Program, and a grade of "C" or higher in RADT-150, RADT-151, RADT-152, RADT-153, RADT-155, RADT-156, RADT-157 RADT-158, RADT-250, RADT-251 and RADT-252; Corequisites: RADT-255 and RADT-267)

Credit Hours
Min:
2

Billing Hours
Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Radiologic Technology

Syllabus (Ctrl + click)
[RADT-256](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies I

Earn a minimum grade of "C" in the following:

- HESC105 - Medical Terminology
- BIOL111 - Anatomy and Physiology I

Career Studies II

Earn a minimum grade of "C" in the following:

- RADT150 - Introduction to Radiologic Technology
- RADT151 - Radiographic Exposure
- RADT152 - Radiographic Procedures I
- RADT153 - Methods of Patient Care
- RADT155 - Principles of Radiation Biology
- RADT156 - Equipment Operation I
- RADT157 - Radiographic Procedures II
- RADT158 - Clinical Practicum I
- RADT250 - Equipment Operation II
- RADT251 - Advanced Medical Imaging Modalities

- RADT252 - Radiographic Procedures III

Admission Requirement

Fulfill ALL of the following requirements:

- Admission to the Radiologic Technology Program.

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- RADT255 - Radiographic Pathology
- RADT267 - Advanced Imaging Procedures

Course Learning Outcomes

Name

RADT256 - CLO 1

Outcome

Discuss the nature of the historical and social forces that have influenced the professional development of the diagnostic imaging profession and health care delivery system.

Name

RADT256 - CLO 2

Outcome

Identify the disciplines under the umbrella of Diagnostic Imaging.

Name

RADT256 - CLO 3

Outcome

Describe the educational and professional development requirements for advancement within the profession.

Name

RADT256 - CLO 4

Outcome

Analyze the impact of research on practice.

Name

RADT256 - CLO 5

Outcome

Describe the impact of health care reform on the diagnostic imaging profession.

Name

RADT256 - CLO 6

Outcome

Describe the credentialing system.

Name

RADT256 - CLO 7

Outcome

Explain professional behavioral and performance expectations.

Outcome

Apply the principles of beneficence, autonomy, justice, and fidelity to selected case studies (code of ethics).

Name

RADT256 - CLO 8

Outcome

Debate the ethical issues related to and influencing the profession and explain the legal and political bases for the practice of the diagnostic imaging profession.

Name

RADT256 - CLO 9

Outcome

List characteristics that make people, cultures, and societies diverse, and differentiate between tolerance and acceptance.

Name

RADT256 - CLO 10

RADT267 - Advanced Imaging Procedures

Course Information

Course Number
267

Course Title (long)
Advanced Imaging Procedures

Course Description
This course covers positioning terminology, anatomy, and procedural protocols for the skull and related anatomy, special procedures, including mammography, female imaging, bone density, and vascular imaging topics. Students will demonstrate skull and related procedures, as well as CT procedures and terminal (graduate) competency evaluations in the clinical setting.

Credit Hours
Min:
7

Billing Hours
Min:
7

School Division Department(s) ~*
School of Health Sciences Division of Health Science Radiologic Technology

Syllabus (Ctrl + click)
[RADT-267](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: - RADT150 - Introduction to Radiologic Technology - RADT151 - Radiographic Exposure - RADT152 - Radiographic Procedures I - RADT153 - Methods of Patient Care - RADT155 - Principles of Radiation Biology - RADT156 - Equipment Operation I - RADT157 - Radiographic Procedures II - RADT250 - Equipment Operation II - RADT251 - Advanced Medical Imaging Modalities - RADT252 - Radiographic Procedures III
Corequisite Type Corequisite Career Studies Enroll in the following Courses: - RADT255 - Radiographic Pathology - RADT256 - Professional Issues in Health Care

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RADT267 - CLO 1	Outcome Conduct activities that ensure safe and effective patient management.
Name RADT267 - CLO 2	Outcome Perform imaging procedures within standard protocols to create diagnostic images.
Name RADT267 - CLO 3	Outcome Protect the safety of patients, peers and self.
Name RADT267 - CLO 4	Outcome Work effectively as an interdisciplinary team member.

RADT267LAB - Advanced Imaging Procedures Lab

Course Information

Course Number
267LAB

Course Title (long)
Advanced Imaging Procedures Lab

Credit Hours
Min:
0

Billing Hours
Min:
0

Department(s) ~*
Radiologic Technology

RADT295 - Special Project - Radiologic Technology

Course Information

Course Number
295

Course Title (long)
Special Project - Radiologic Technology

Course Description
The student will prepare an individualized plan of study in behavioral terms. The student and the instructor will complete a contract which will include a set of objectives, methods of achievement and a plan for evaluation. The instructor will serve as a preceptor and consultant in guiding the student through the theoretical and laboratory components of the study plan.

Credit Hours
Min: 1
Max: 6

Department(s) ~*
Radiologic Technology

RDIO101 - Introduction to Radio and Podcasting

Course Information

Course Number
101

Course Title (long)
Introduction to Radio and Podcasting

Course Description
Students will demonstrate an understanding of the history and impact of radio as a medium of mass communication and explore its evolution into podcasting. Students will develop the skills necessary for radio and podcasting production by creating high quality content for possible use on Brookdale Public Radio, WBJB FM.

Credit Hours
Min: 3

Billing Hours
Min: 3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[RDIO101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RDIO101 - CLO 1	Outcome Distinguish between personal listening patterns.
Name RDIO101 - CLO 2	Outcome Demonstrate operation of basic radio station/podcast equipment.
Name RDIO101 - CLO 3	Outcome Apply formats, day parts, audience demographics, management responsibilities, and programming continuity to the creation of an audio only format.
Name RDIO101 - CLO 4	Outcome Apply and evaluate course concepts through listening and discussion assignments.

- RDIO101 - Introduction to Radio and Podcasting

- Approval of instructor and Career Services Representative.

READ14D - Critical Reading & Study

Course Information

Course Number

14D

Course Title (long)

Critical Reading & Study

Course Description

This course is designed to help students improve their critical reading skills and study strategies to effectively handle the demands of college courses. Students will learn to analyze text and apply appropriate study/learning strategies. By successfully completing this course, students will satisfy their basic skills requirement in reading. This developmental course will not be counted toward degree requirements. *This course runs for 7.5 weeks.

Credit Hours

Min:

2

Billing Hours

Min:

2

Department(s) ~*

Reading & Academic Access

READ19D - Intro to Reading and Math Literacy

Course Information

Course Number

19D

Course Title (long)

Intro to Reading and Math Literacy

Course Description

This course is comprised of students who need to complete both READ 091 and MATH 011. The course is designed as an initial basic skills reading course that introduces students to reading comprehension strategies and vocabulary skills necessary for success in college, with integration of math literacy. Students will learn explicit comprehension strategies to read college-level textbooks. The learning community model is designed to offer additional support for student success. Students are encouraged to collaborate with classmates and instructors, and to build relationships in and outside the classroom.

Credit Hours

Min:

4

Billing Hours

Min:

4

Department(s) ~*

Reading & Academic Access

READ23D - Critical Reading & Thinking

Course Information

Course Number

23D

Course Title (long)

Critical Reading & Thinking

Course Description

This course is designed to help students improve their critical reading and thinking skills and learn study strategies to effectively handle the demands of college courses. Students will read a variety of material and analyze text using textbooks and readings assigned for other disciplinary courses. They will apply appropriate strategies to improve their analytical, interpretive, and evaluative skills. By successfully completing READ 23D, students will satisfy their Foundational Studies requirement in Reading. This developmental course will not be counted toward degree requirements.

Credit Hours

Min:

3

Billing Hours

Min:

3

Department(s) ~*

Reading & Academic Access

READ091 - Introduction to College Reading I

Course Information

Course Number
091

Course Title (long)
Introduction to College Reading I

Course Description
This initial basic skills reading course introduces students to college reading comprehension and vocabulary enhancement skills. The application of skills is required each week in a scheduled Reading Lab. Upon completing READ 091, students are required to register for READ 092 to complete their basic skills college reading requirement. Developmental courses will not be counted to meet degree requirements.

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access

Syllabus (Ctrl + click)
[READ-091](#)

Justification
(Communication and Critical Thinking
Core Competencies)

Name READ091 - CLO 4	Outcome Students will become aware of the connection between listening, reading, speaking, and writing.
Justification (Communication and Critical Thinking Core Competencies)	

Name READ091 - CLO 5	Outcome Students will communicate information and ideas clearly and effectively in written form.
Justification (Communication and Critical Thinking Core Competencies)	

Course Learning Outcomes

Name READ091 - CLO 1	Outcome Students will develop reading strategies that lead to success in college.
Justification (Communication and Critical Thinking Core Competencies)	

Name READ091 - CLO 2	Outcome Students will monitor and control their own reading and learning strategies.
Justification (Communication and Critical Thinking Core Competencies)	

Name READ091 - CLO 3	Outcome Students will use critical thinking and problem-solving skills in analyzing information.

READ092 - Introduction to College Reading II

Course Information

Course Number
092

Course Title (long)
Introduction to College Reading II

Course Description
This second half of a two semester sequence made up of READ 091 and READ 092 focuses on expanding comprehension and vocabulary skills developed in READ 091, and on developing flexibility of reading rate and critical reading strategies. Students will also develop textbook read/study strategies designed to help them become more effective college level readers. Upon successfully completing the READ091/092 sequence, students will satisfy their basic skills requirements. (Prerequisite: READ 091)

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access

Syllabus (Ctrl + click)
[READ-092](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- READ091 - Introduction to College Reading I

Course Learning Outcomes

Upon completion of this course with a grade of a 70 (C) or better, students will be able to:

Name	Tags
READ092 - CLO 1	Written and Oral Communication (Communication), Critical Thinking

Outcome
Apply reading and learning processes and strategies that lead to success in college. (Communication & Critical Thinking)

Name	Tags
READ092 - CLO 2	Written and Oral Communication (Communication), Critical Thinking
Outcome	
Use critical reading and problem-solving strategies in analyzing text. (Communication & Critical Thinking)	

Name	Tags
READ092 - CLO 3	Written and Oral Communication (Communication), Critical Thinking
Outcome	
Demonstrate positive attitudes toward reading, writing, and learning. (Communication)	

Name	Tags
READ092 - CLO 4	Written and Oral Communication (Communication)
Outcome	
Implement strategies to monitor and control reading and learning strategies. (Communication)	

Name	Tags
READ092 - CLO 5	Written and Oral Communication (Communication)
Outcome	
Utilize the interactive nature of communication. (Communication)	

READ094 - Accelerated College Reading & Study Skills

Course Information

Course Number
094

Course Title (long)
Accelerated College Reading & Study Skills

Course Description
This course is an accelerated, one semester course designed to help students improve their reading skills and study strategies to effectively handle the demands of college courses. Students will learn to analyze text and apply appropriate study/learning strategies. The application of skills is required each week in a scheduled Reading Lab. A strong emphasis will be placed on students to use a personal computer to complete classwork. By successfully completing this course, students will satisfy their basic skills requirement in reading. This developmental course will not be counted toward degree requirements. (Prerequisites: None. Placement is based on scores on college placement test)

Credit Hours

Min:
4

Billing Hours

Min:
4

Department(s) ~*
Reading & Academic Access

Syllabus (Ctrl + click)
[READ094](#)

READ095 - Reading Analysis/ Study Skills

Course Information

Course Number
095

Course Title (long)
Reading Analysis/ Study Skills

Course Description
This course is designed to help students improve their reading skills and study strategies to effectively handle the demands of college courses. The students will learn to analyze text and apply appropriate study/learning strategies. By successfully completing READ 095, students will satisfy their basic skills requirement for reading. This developmental course will not be counted toward degree requirements.

Credit Hours

Min:
4

Billing Hours

Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of English & College Success	Reading & Academic Access

Syllabus (Ctrl + click)
[READ-095](#)

Course Learning Outcomes

Upon completion of this course with a grade of C or better, students will be able to:

Name READ095 - CLO 1	Outcome Apply reading and learning processes and strategies that lead to success in college.
Name READ095 - CLO 2	Outcome Apply critical reading and problem-solving strategies in analyzing text.
Name READ095 - CLO 3	Outcome Demonstrate positive attitudes toward reading, writing, and learning.
Name READ095 - CLO 4	Outcome Implement strategies to monitor and control their own reading and learning strategies.

Name READ095 - CLO 5	Outcome Demonstrate an understanding of global and cultural issues.

Name READ095 - CLO 6	Outcome ain an awareness of college success skills.

READLAB - Reading Lab-Read 095

Course Information

Course Number
LAB

Course Title (long)
Reading Lab-Read 095

Credit Hours
Min:
0

Billing Hours
Min:
0

Department(s) ~*
Reading & Academic Access

RESP161 - Cardiopulmonary Anatomy and Physiology

Course Information

Course Number
161

Course Title (long)
Cardiopulmonary Anatomy and Physiology

Course Description
This course is one of two courses offered in the first term of the Respiratory Care Program. The student will utilize principles and methods of scientific inquiry to explore the structure and function of the cardiopulmonary system. In addition, the students will use appropriate mathematical concepts and operations to interpret data applied to static and dynamic characteristics of the lungs and vascular systems, oxygen and carbon dioxide transport, acid-base balance, ventilation-perfusion relationships as well as regulation and control of respiration. (Prerequisite: Admission to the program and HESC-105; Corequisite: RESP-162; Prerequisites or Corequisites: BIOL-111 and ENGL-121)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Respiratory Therapy

Syllabus (Ctrl + click)
[RESP161](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - HESC105 - Medical Terminology - BIOL111 - Anatomy and Physiology I - ENGL122 - English Composition: Writing and Research
Admission Requirement Fulfill ALL of the following requirements: Admission to the program.
Corequisite Type Corequisite
Career Studies Enroll in the following Courses:

- BIOL111 - Anatomy and Physiology I
 - ENGL121 - English Composition:The Writing Process
 - RESP162 - Fundamental Skills in Respiratory Care

Course Learning Outcomes

Upon completion of this course, the student will be able to do the following:

Name RESP161 - CLO 1	Outcome Assess the clinical significance of the anatomic and physiologic functions of the cardiopulmonary system.
Name RESP161 - CLO 2	Outcome Differentiate between the mechanical and physiologic factors influencing the internal and external process of respiration.
Name RESP161 - CLO 3	Outcome Apply ventilation/perfusion relationships to clinical data.
Name RESP161 - CLO 4	Outcome Apply age-related changes to clinical data.
Name RESP161 - CLO 5	Outcome Interpret blood gases.
Name RESP161 - CLO 6	Outcome Assess the clinical significance of neurological control of ventilation.

RESP162 - Fundamental Skills in Respiratory Care

Course Information

Course Number
162

Course Title (long)
Fundamental Skills in Respiratory Care

Course Description
This course is one of two courses offered in the first term of the Respiratory Care Program. In this course the student will study the theory and clinical application of patient assessment, humidity and aerosol therapy, pharmacology, oxygen therapy, intermittent positive pressure and techniques of bronchial clearance. In addition, the principles of infection control and techniques of transmission prevention will be covered. Students will practice skills in the college laboratory and will care for groups of patients in a clinical setting.(Prerequisite: Admission to the program and HESC-105; Corequisite: RESP-161; Prerequisites or Corequisites: BIOL-111 and ENGL-121)

Credit Hours

Min:
7

Billing Hours

Min:
7

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Respiratory Therapy

Syllabus (Ctrl + click)
[RESP162](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: • HESC105 - Medical Terminology • BIOL111 - Anatomy and Physiology I • ENGL121 - English Composition:The Writing Process
Admission Requirement Fulfill ALL of the following requirements: • Admission to the program.
Corequisite Type Corequisite
Career Studies Complete ALL of the following Courses:

- RESP161 - Cardiopulmonary Anatomy and Physiology
- BIOL111 - Anatomy and Physiology I
- ENGL121 - English Composition: The Writing Process

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RESP162 - CLO 1	Outcome Assess and evaluate patients for selected respiratory care needs.

Name RESP162 - CLO 2	Outcome Perform therapeutic measures related to a diverse group of acute-care patients.

Name RESP162 - CLO 3	Outcome Compare and contrast respiratory delivery systems used in management and treatment of the acute-care patient.

Name RESP162 - CLO 4	Outcome Implement quality assurance measures for selected respiratory care delivery systems.

Name RESP162 - CLO 5	Outcome Manage care for two acute care patients.

Name RESP162 - CLO 6	Outcome Apply therapeutic verbal and non-verbal communication skills in patient interactions.

Name RESP162 - CLO 7	Outcome Implement basic respiratory care procedures for acute care patients that meet legal and ethical standards.

Name RESP162 - CLO 8	Outcome Collaborate with other health team members to plan approaches to respiratory treatment and management of the acute-care patient.

Name RESP162 - CLO 9	Outcome Examine the role and function of the respiratory therapist in the acute-care setting.

Name RESP162 - CLO 10	Outcome Demonstrate responsibility for self as learner and caregiver.

RESP163 - Cardiopulmonary Pathophysiology

Course Information

Course Number

163

Course Title (long)

Cardiopulmonary Pathophysiology

Course Description

This course provides the basis for therapeutic management by introducing the student to the structural and functional abnormalities leading to pathology of the cardiopulmonary system. Using a problem solving approach, the students will apply knowledge of cardiopulmonary disease and diagnostics to clinical case scenarios. In addition, extra-pulmonary conditions that can result in respiratory impairment will be discussed. (Prerequisites: RESP-161 and RESP-162; Corequisites: RESP-164 and RESP-165; Prerequisite or Corequisite: BIOL-112)

Credit Hours

Min:

4

Billing Hours

Min:

4

School

School of Health Sciences

Division

Division of Health Science

Department(s) ~*

Respiratory Therapy

Syllabus (Ctrl + click)

[RESP163](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Complete ALL of the following Courses:

- RESP161 - Cardiopulmonary Anatomy and Physiology
- RESP162 - Fundamental Skills in Respiratory Care
- BIOL112 - Anatomy and Physiology II

Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- RESP164 - Patient Assessment and Diagnostics
- RESP165 - Advanced Life Support and Emergency Care
- BIOL112 - Anatomy and Physiology II

Name RESP163 - CLO 1	Outcome Describe the process that leads to respiratory failure.

Name RESP163 - CLO 2	Outcome Differentiate between restrictive and obstructive pulmonary disease.

Name RESP163 - CLO 3	Outcome Discuss the etiology pertaining to a variety of pulmonary diseases and disorders.

Name RESP163 - CLO 4	Outcome Describe the various alterations of the lung that occur due to the disease process.

Name RESP163 - CLO 5	Outcome Explain the pathophysiology pertaining to a variety of pulmonary disorders.

Name RESP163 - CLO 6	Outcome Discuss clinical signs and symptoms of a variety of pulmonary disorders.

Name RESP163 - CLO 7	Outcome Discuss the role of the respiratory therapist in the management of the pulmonary patient.

Name RESP163 - CLO 8	Outcome Differentiate among various causative agents in regard to lung infections.

Course Learning Outcomes

Upon completion of this course, the student will—

RESP164 - Patient Assessment and Diagnostics

Course Information

Course Number
164

Course Title (long)
Patient Assessment and Diagnostics

Course Description
This course addresses cardiopulmonary assessment and diagnostic procedures. Additional topics include laboratory studies, electrocardiographs, pulmonary function studies, invasive and non-invasive blood gas monitoring, sleep studies, radiographic interpretation and invasive and non-invasive techniques of airway clearance and sampling. Students will practice skills in the college laboratory and will care for groups of patients in a clinical setting.(Prerequisites: RESP-161 and RESP-162; Corequisites: RESP-163 and RESP-165; Prerequisite or Corequisite: BIOL-112)

Credit Hours

Min:
6

Billing Hours

Min:
6

School **Division** **Department(s) ~***
School of Health Sciences Division of Health Science Respiratory Therapy

Syllabus (Ctrl + click)
[RESP164](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- RESP161 - Cardiopulmonary Anatomy and Physiology
- RESP162 - Fundamental Skills in Respiratory Care
- BIOL112 - Anatomy and Physiology II

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- RESP163 - Cardiopulmonary Pathophysiology
- RESP165 - Advanced Life Support and Emergency Care
- BIOL112 - Anatomy and Physiology II

Upon completion of this course, students will be able to:

Name RESP164 - CLO 1	Outcome Assess and evaluate patients with cardiopulmonary dysfunction.
Name RESP164 - CLO 2	Outcome Implement appropriate procedures for selected cardiopulmonary disorders.
Name RESP164 - CLO 3	Outcome Perform diagnostic testing for patients with cardiopulmonary disorders.
Name RESP164 - CLO 4	Outcome Apply quality assurance measures to respiratory diagnostics.
Name RESP164 - CLO 5	Outcome Manage the care of patients who are being evaluated using respiratory diagnostics.
Name RESP164 - CLO 6	Outcome Apply therapeutic verbal and non-verbal communication skills in patient interaction.
Name RESP164 - CLO 7	Outcome Implement advanced respiratory care procedures for acute-care patients that meet legal and ethical standards.
Name RESP164 - CLO 8	Outcome Collaborate with other health care members to plan team approaches to evaluate diverse groups of patients with cardiopulmonary disorders.
Name RESP164 - CLO 9	Outcome Identify the limits and scope of the respiratory practitioner in patient assessment.
Name RESP164 - CLO 10	Outcome Demonstrate responsibility for self as learner and caregiver.

Course Learning Outcomes

RESP165 - Advanced Life Support and Emergency Care

Course Information

Course Number
165

Course Title (long)
Advanced Life Support and Emergency Care

Course Description
This course introduces the student to triage and the stabilization of patients with life threatening conditions and the procedures performed in the emergency department. Emphasis is placed on skills required to perform and document a problem oriented history and physical; formulate a differential diagnosis; order and interpret the tests necessary to confirm or rule out a primary diagnosis and educate the patient and family. The student will also be introduced to disaster preparedness and emergency management in unique environments.(Prerequisites: RESP-161 and RESP-162; Corequisites: RESP-163 and RESP-164; Prerequisite or Corequisite: BIOL-112)

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Respiratory Therapy

Syllabus (Ctrl + click)
[RESP165](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: - RESP161 - Cardiopulmonary Anatomy and Physiology - RESP162 - Fundamental Skills in Respiratory Care - BIOL112 - Anatomy and Physiology II
Corequisite Type Corequisite Career Studies Enroll in the following Courses: - RESP163 - Cardiopulmonary Pathophysiology - RESP164 - Patient Assessment and Diagnostics - BIOL112 - Anatomy and Physiology II

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RESP165 - CLO 1	Outcome Demonstrate leadership through multi-level thinking and providing options and alternatives in patient care or emergency services administration.
Name RESP165 - CLO 2	Outcome Utilize tactical and strategic decision-making concepts in response to uncertainty and time constrained environments.
Name RESP165 - CLO 3	Outcome Integrate the practice of ethics in cardiac arrest and peri-arrest emergencies.
Name RESP165 - CLO 4	Outcome Evaluate research and current literature for application in the emergency medical care profession.
Name RESP165 - CLO 5	Outcome Demonstrate knowledge in preparation for biological or natural disasters.

RESP261 - Neonatal & Pediatric Respiratory Care

Course Information

Course Number
261

Course Title (long)
Neonatal & Pediatric Respiratory Care

Course Description
This course covers the theory and principles of respiratory care applied to infants and children in the acute and sub acute care setting. Topics include development of the pulmonary system, diseases and disorders, respiratory management including PALS and NALS protocols, and special considerations in the management of infants and children. (Prerequisites: RESP-163, RESP-164 and RESP-165; Corequisite: RESP-262; Prerequisites or corequisites: BIOL-213 and PSYC-106)

Credit Hours
Min:
2

Billing Hours
Min:
2

School Division Department(s) ~*
School of Health Sciences Division of Health Science Respiratory Therapy

Syllabus (Ctrl + click)
[RESP261](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Complete ALL of the following Courses:

- RESP163 - Cardiopulmonary Pathophysiology
- RESP164 - Patient Assessment and Diagnostics
- RESP165 - Advanced Life Support and Emergency Care
- BIOL213 - Microbiology
- PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Corequisite
Type
Corequisite

Career Studies

Enroll in the following Courses:

- RESP262 - Adult Critical Care
- BIOL213 - Microbiology
- PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Course Learning Outcomes

Name RESP261 - CLO 1	Outcome Summarize various pathologic and non-pathologic problems specific to the critically ill infant and child.
Name RESP261 - CLO 2	Outcome Discuss the methods of assessment used in the pediatric/neonatal critical care setting.
Name RESP261 - CLO 3	Outcome Compare and contrast respiratory care approaches to the critically ill infant and the critically ill child.
Name RESP261 - CLO 4	Outcome Evaluate respiratory monitoring and management techniques in neonatal and pediatric intensive care.
Name RESP261 - CLO 5	Outcome Identify effects and complications of respiratory interventions in the NICU & PICU.
Name RESP261 - CLO 6	Outcome Analyze legal and ethical implications in pediatric and neonatal intensive care settings.
Name RESP261 - CLO 7	Outcome Evaluate new ventilator techniques and modes of mechanical ventilation as applied to infants and children.

RESP262 - Adult Critical Care

Course Information

Course Number
262

Course Title (long)
Adult Critical Care

Course Description
In this course, the student will study the principles of adult intensive care. Topics include initiation, maintenance, monitoring and withdrawal of mechanical ventilation, airway management, and principles of hemodynamic monitoring. The selection and maintenance of ventilators and other equipment used in the critical care unit will also be discussed. The student will practice skills in the college laboratory, and work with groups of patients in a clinical setting. (Prerequisites: RESP-163, RESP-164 and RESP-165; Corequisite: RESP- 261; Prerequisite or Corequisite: BIOL-213 and PSYC-106)

Credit Hours
Min:
7

Billing Hours
Min:
7

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Respiratory Therapy

Syllabus (Ctrl + click)
[RESP262](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite Career Studies Complete ALL of the following Courses: RESP163 - Cardiopulmonary Pathophysiology RESP164 - Patient Assessment and Diagnostics RESP165 - Advanced Life Support and Emergency Care BIOL213 - Microbiology PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects
Corequisite Type Corequisite Career Studies Enroll in the following Courses: RESP161 - Cardiopulmonary Anatomy and Physiology BIOL213 - Microbiology PSYC106 - Introduction to Psychology Ii: Personality & Social Aspects

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RESP262 - CLO 1	Outcome Apply the principles of intensive respiratory care to various groups of adult patients.
Name RESP262 - CLO 2	Outcome Develop a plan of care for specific patients in collaboration with clinical instructor.
Name RESP262 - CLO 3	Outcome Provide evidence of competency in selecting, applying, and maintaining respiratory equipment.
Name RESP262 - CLO 4	Outcome Assist in the management of patients who are critically ill.
Name RESP262 - CLO 5	Outcome Identify the role and function of a therapist in the critical care setting.
Name RESP262 - CLO 6	Outcome Collaborate with other health care team members in caring for critically ill patients.
Name RESP262 - CLO 7	Outcome Apply therapeutic verbal and non-verbal communication skills in patient interaction.
Name RESP262 - CLO 8	Outcome Implement respiratory intervention within a legal and ethical framework of the AARC and Brookdale Community College.
Name RESP262 - CLO 9	Outcome Demonstrate professional responsibility for herself or himself as a student and caregiver.

Name RESP262 - CLO 10	Outcome Discuss evaluation methods applied to individuals and systems within health care agencies.
Name RESP262 - CLO 11	Outcome Apply basic principles of management in interactions with other healthcare team members.
Name RESP262 - CLO 12	Outcome Utilize time management skills in planning care for at least three patients.

RESP263 - Subacute Respiratory Care

Course Information

Course Number 263	Course Title (long) Subacute Respiratory Care
Course Description This course is designed to prepare the student to work in alternative care settings including physician group practices, skilled nursing facilities, rehabilitation centers, sleep labs and home care agencies. Classroom discussions will include concepts of pulmonary rehabilitation, exercise testing, practices and principles of respiratory care in the home, discharge planning, reimbursement issues, patient education, and respiratory therapy in skilled nursing facilities.(Prerequisites: RESP-261 and RESP-262; Corequisites: RESP-264 and RESP-265; Prerequisites or Corequisites: Humanities course and ENGL-122 or SPCH-115)	

Credit Hours

Min:
2

Billing Hours

Min:
2

School School of Health Sciences	Division Division of Health Science	Department(s) ~* Respiratory Therapy
Syllabus (Ctrl + click) RESP-263		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - RESP295 - Special Project - Respiratory Therapy - RESP262 - Adult Critical Care
General Education Fulfill ALL of the following requirements: Criteria 1 Complete ANY of the following Courses: - ENGL122 - English Composition: Writing and Research - SPCH115 - Public Speaking AND Criteria 2 Complete at least 1 courses in the following course sets: Humanities (HU)

Corequisite Type Corequisite
Enroll in the following Courses: - RESP264 - Respiratory Care Practice - RESP265 - Issues in Respiratory Care
General Education Fulfill ALL of the following requirements:
Criteria 1 Enroll in the following Courses: ENGL122 - English Composition: Writing and Research OR SPCH115 - Public Speaking
————— AND —————
Criteria 2 Complete at least 1 courses in the following course sets: <u>Humanities (HU)</u>

Name RESP263 - CLO 6	Outcome Describe the discharge planning process.
Name RESP263 - CLO 7	Outcome Discuss the medical and psychosocial problems of the geriatric population, including theories and issues of aging.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RESP263 - CLO 1	Outcome Describe principles, procedures, and equipment used in cardiopulmonary assessment, rehabilitation, and in home care and at alternative sites.
Name RESP263 - CLO 2	Outcome Examine the role of the respiratory practitioner in health promotion and wellness.
Name RESP263 - CLO 3	Outcome Discuss the role of the respiratory practitioner in nutritional assessment of the COPD patient.
Name RESP263 - CLO 4	Outcome Explore reimbursement issues in respiratory care in the home and at alternative sites.
Name RESP263 - CLO 5	Outcome Identify the principles of teaching and preparing the patient and/or family members to learn.

RESP264 - Respiratory Care Practice

Course Information

Course Number
264

Course Title (long)
Respiratory Care Practice

Course Description
In this course the student will develop and implement patient care plans, manage and prioritize care for groups of patients in all areas of clinical practice. Specific topics include preparation for the national exams, and discussions of leadership skills and management styles. Students will demonstrate communication skills by researching, preparing, and presenting a case study.(Prerequisites: RESP-261 and RESP-262; Corequisites: RESP-263 and RESP-265; Prerequisites or Corequisites: Humanities course and ENGL-122 or SPCH-115)

Credit Hours
Min:
7

Billing Hours
Min:
7

School Division Department(s) ~*
School of Health Sciences Division of Health Science Respiratory Therapy

Syllabus (Ctrl + click)
[RESP-264](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - RESP261 - Neonatal & Pediatric Respiratory Care - RESP262 - Adult Critical Care
General Education Fulfill ALL of the following requirements: Criteria 1 Complete ANY of the following Courses: - ENGL122 - English Composition: Writing and Research - ENGL122 - English Composition: Writing and Research AND Criteria 2 Complete at least 1 courses in the following course sets: - Humanities (HU)

Corequisite Type Corequisite
Career Studies Enroll in the following Courses: - RESP263 - Subacute Respiratory Care - RESP265 - Issues in Respiratory Care
General Education Fulfill ALL of the following requirements: Criteria 1 Enroll in the following Courses: - ENGL122 - English Composition: Writing and Research OR SPCH115 - Public Speaking AND Criteria 2 Complete at least 1 courses in the following course sets: - Humanities (HU)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RESP264 - CLO 1	Outcome Demonstrate clinical proficiency in the safe and effective application of all modalities used in respiratory care.
Name RESP264 - CLO 2	Outcome Demonstrate proficiency in the placement and management of an artificial airway in a supervised setting.
Name RESP264 - CLO 3	Outcome Implement therapist driven protocols for commonly occurring cardiopulmonary disorders. Apply quality assurance procedures to all types of respiratory equipment.
Name RESP264 - CLO 4	Outcome Prioritize care for groups of patients in various settings.
Name RESP264 - CLO 5	Outcome Evaluate the effectiveness of communication with diverse groups of patients and families. Respond to legal and ethical issues in the workplace.

Name RESP264 - CLO 6	Outcome Apply principles of informal leadership and assertive communication in interactions with all health team members.
Name RESP264 - CLO 7	Outcome Exhibit behavior and attitudes appropriate to and congruent with the role/function of a Respiratory care practitioner.

RESP265 - Issues in Respiratory Care

Course Information

Course Number
265

Course Title (long)
Issues in Respiratory Care

Course Description
This course provides a forum for the student to explore current issues in respiratory care. A wide range of topics are discussed from philosophical, theoretical, ethical, social, economic, historical, research and professional points of view. Students will analyze issues, describe influencing factors, and propose resolutions and strategies, including the impact on respiratory care. (Prerequisites: RESP-261 and RESP-262; Corequisites: RESP-263 and RESP-264; Prerequisites or Corequisites: Humanities course and ENGL-122 or SPCH-115)

Credit Hours

Min:
2

Billing Hours

Min:
2

School	Division	Department(s) ~*
School of Health Sciences	Division of Health Science	Respiratory Therapy

Syllabus (Ctrl + click)
[RESP265](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Complete ALL of the following Courses: - RESP261 - Neonatal & Pediatric Respiratory Care - RESP262 - Adult Critical Care
General Education Fulfill ALL of the following requirements: Criteria 1 Complete ANY of the following Courses: - ENGL122 - English Composition: Writing and Research - SPCH115 - Public Speaking AND Criteria 2 Complete at least 1 courses in the following course sets: Humanities (HU)
Corequisite

Type

Corequisite

Career Studies

Enroll in the following Courses:

- RESP263 - Subacute Respiratory Care
- RESP264 - Respiratory Care Practice

General Education

Fulfill ALL of the following requirements:

Criteria 1

Enroll in the following Courses:

- ENGL122 - English Composition: Writing and Research
OR SPCH115 - Public Speaking

AND

Criteria 2

Complete at least 1 courses in the following course sets:

- Humanities (HU)

Course Learning Outcomes

Upon completion of the course, the student will:

Name RESP265 - CLO 1	Outcome Examine the healthcare delivery system.
Name RESP265 - CLO 2	Outcome Discuss the interrelatedness of the healthcare system and social problems.
Name RESP265 - CLO 3	Outcome Analyze situations requiring ethical judgments of Respiratory Therapists.
Name RESP265 - CLO 4	Outcome Explain the legal basis for the practice of Respiratory Therapy.
Name RESP265 - CLO 5	Outcome Identify the role of the Respiratory Therapist as a consumer advocate.
Name RESP265 - CLO 6	Outcome Describe the history of the Respiratory Therapy profession.

Name RESP265 - CLO 7	Outcome Explain the role of the Respiratory Therapist as an integral member of the healthcare team.
Name RESP265 - CLO 8	Outcome Describe the educational basis for the practice of Respiratory Therapy.
Name RESP265 - CLO 9	Outcome Identify the parameters of Respiratory Therapy as defined in the current Respiratory Therapy Practice Act.
Name RESP265 - CLO 10	Outcome Demonstrate familiarity with the roles of professional Respiratory Therapy organizations.
Name RESP265 - CLO 11	Outcome Use effective communication techniques to interact with patients and members.
Name RESP265 - CLO 12	Outcome Debate the scope of Respiratory Therapy practice.

RESP295 - Special Project - Respiratory Therapy

Course Information

Course Number 295	
Course Title (long) Special Project - Respiratory Therapy	
Course Description The student will prepare an individualized plan of study in behavioral terms. The student and the instructor will complete a contract which will include a set of objectives, methods of achievement and a plan for evaluation. The instructor will serve as a preceptor and consultant in guiding the student through the theoretical and laboratory components of the study plan	
Credit Hours Min: 1	Max: 6
Department(s) ~* Respiratory Therapy	

RUSS101 - Elementary Russian I

Course Information

Course Number
101

Course Title (long)
Elementary Russian I

Course Description
This course is designed for students with no previous knowledge, or very limited knowledge, of the Russian language. Strong emphasis will be placed on acquiring conversational and comprehension skills, using practical and interesting situational materials that will stress both language and culture. Grammatical patterns and syntax will be stressed with the aim that students read and write what they have learned to say and understand. NOTE: This course is offered only in the Fall term.

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies

Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[RUSS-101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name RUSS101 - CLO 1	Outcome
	Understand written and spoken Russian at the Novice-Low level* - (*The Novice-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name RUSS101 - CLO 2	Outcome
	Speak Russian at the Novice-Low level* - (*The Novice-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name RUSS101 - CLO 3	Outcome
	Write Russian at the Novice-Low level* - (*The Novice-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name RUSS101 - CLO 4	Outcome
	Demonstrate basic knowledge of the life and culture of Russia

RUSS102 - Elementary Russian II

Course Information

Course Number
102

Course Title (long)
Elementary Russian II

Course Description
Students will build upon skills acquired in the first semester course and will be able to express themselves in a variety of more complex situations in Russian. NOTE: This course is offered only in the Spring term. (Prerequisite: A grade of "C" or higher in RUSS-101)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies

Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[RUSS-102](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Earn a minimum grade of "C" in the following: RUSS101 - Elementary Russian I

SOCI105 - Intercultural Communication: The Person and The Process

Course Information

Course Number
105

Course Title (long)
Intercultural Communication: The Person and The Process

Course Description
Culture influences all aspects of our behavior including how we communicate, how we see ourselves, and how we see those who are different from us. By acquiring an interdisciplinary knowledge of culture and how it operates in our lives, students will learn to think critically about how cultural differences within societal groups can form the basis for communication patterns that can develop both between groups of Americans and also cross-nationally.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Sociology

Syllabus (Ctrl + click)
[SOCI-105 Syllabus](#)

Outcome	Justification
Describe the intersection of culture and communication in different societal settings (CG).	Learning Outcome(s) support the following General Education Knowledge Areas: -(CG) Cultural and Global Awareness

Course Learning Outcomes

Name SOCI105 - CLO 1	Tags Cultural and Global Awareness (CG)
Outcome Analyze how culture and diversity influences communication (CG)	Justification Learning Outcome(s) support the following General Education Knowledge Areas: -(CG) Cultural and Global Awareness

Name SOCI105 - CLO 2	Tags Cultural and Global Awareness (CG)
Outcome Explain how obstacles affect intercultural communication including race, ethnicity, gender, and social class (CG).	Justification Learning Outcome(s) support the following General Education Knowledge Areas: -(CG) Cultural and Global Awareness

Name SOCI105 - CLO 3	Tags Cultural and Global Awareness (CG)

SOCI202 - Analysis of Social Problems

Course Information

Course Number
202

Course Title (long)
Analysis of Social Problems

Course Description
This course examines a variety of contemporary social problems from the major paradigmatic perspectives in sociology including but not limited to issues of diversity and inequality; social institutions; population; globalization and environmental issues. (Prerequisite(s): READ-095 or satisfactory completion of College's foundational studies requirement in Reading. Completion of SOCI-101 recommended, but not required).

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Sociology

Syllabus (Ctrl + click)
[SOCI202](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Recommended

Complete ALL of the following Courses:

- SOCI101 - Principles of Sociology

SOCI-101 recommended, but not required.

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

Must be READ-095

OR

Criteria 2

- OR:
- Satisfactory completion of College's foundational studies requirement in Reading.

Course Learning Outcomes

Upon completion of this course, through oral and written communication and examination, the student will be able to:

Name SOCI202 - CLO 1 Outcome Define the nature of a social problem using the three major theoretical paradigms in sociology (Information Literacy).	Tags Information Literacy (Integrated Course Goal)
Name SOCI202 - CLO 2 Outcome Describe the types of methodology used in the study of social problems (Information Literacy).	Tags Information Literacy (Integrated Course Goal)
Name SOCI202 - CLO 3 Outcome Recognize the insights that the political spectrum provides in the study of social problems (Critical Thinking, Communication)	Tags Critical Thinking, Written and Oral Communication (Communication)
Name SOCI202 - CLO 4 Outcome Critique the different forms of social inequality including but not limited to poverty, racism, sexism, and heterosexism (Historical/Societal Perspective).	Tags Historical Perspective (History), Historical/Societal Analysis
Name SOCI202 - CLO 5	Tags Critical Thinking, Historical Perspective (History)

Outcome

Examine the variety of social problems associated with our social institutions. These include but are not limited to the family, government, education, military, health care, the media, technology, and the environment (Historical/Societal Perspective, Critical Thinking).

SOCI215 - Marriage and the Family

Course Information

Course Number
215

Course Title (long)
Marriage and the Family

Course Description
Students will develop a sociological understanding of marriage and the family. The course adopts a historical perspective on the evolution of marriage and family as an institution and analyzes current forms of the family. The impact of social and economic changes surrounding the family are considered.(Prerequisites: READ-095 or satisfactory completion of the College's foundational studies requirement in reading; SOCI-101 strongly recommended)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Social Sciences (SS)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Sociology

Syllabus (Ctrl + click)
[SOCI215](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Recommended

Complete ANY of the following Courses:

- SOCI101 - Principles of Sociology

SOCI-101 strongly recommended.

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Foundational Studies Requirement in Reading](#)

Must be READ-095

OR

Criteria 2

OR:

- Satisfactory completion of College's foundational studies requirement in Reading.

SOCI216 - Majority & Minority Relations in America

Course Information

Course Number
216

Course Title (long)
Majority & Minority Relations in America

Course Description
This course examines the inter-relationship between race, class, gender and ethnicity and how these structures have shaped the experiences of all people in America. A sociological and historical perspective is applied to analyze how a social configuration characterized by cultural diversity affects the individual consciousness, group interaction and group access to institutional power and privileges. SOCI-101 is recommended, but not required.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Sociology

Syllabus (Ctrl + click)
[SOCI216](#)

Course Requirements

No Requirements

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Tags
SOCI216 - CLO 1	Critical Thinking
Outcome Identify the overall sociological perspective, the sociological concepts related to the study of race and ethnic relations and able to compare and contrast those different concepts. (Critical Thinking)	

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name SOCI215 - CLO 1	Outcome Explain examples of the impact of historical, social, and political events on the American family.
Name SOCI215 - CLO 2	Outcome Assess changes in the concept of family, including nontraditional family forms.
Name SOCI215 - CLO 3	Outcome Consider how differences in social class, race, and ethnicity affect families.
Name SOCI215 - CLO 4	Outcome Explain the impact of economic factors on the family.

Name SOCI216 - CLO 2	Tags Critical Thinking, Historical/Societal Analysis
Outcome Compare and contrast the historical context as well as critically reflect upon the different sociological theories on race and ethnic relations in America. (Critical Thinking, Historical/Societal Analysis)	

Name SOCI216 - CLO 3	Tags Critical Thinking
Outcome Apply the sociological concepts on race and ethnic relations and the sociological theories to the experiences of specific race and ethnic groups in America. (Critical Thinking)	

Name SOCI216 - CLO 4	Tags Critical Thinking, Historical/Societal Analysis
Outcome Infer patterns in race and ethnic stratification in the United States. (Critical Thinking, Historical/Societal Analysis)	

Name SOCI216 - CLO 5	Tags Written and Oral Communication (Communication)
Outcome Demonstrate orally their ideas on the sociological analysis of race and ethnic relations in America to an audience. (Communication Skills)	

Name SOCI216 - CLO 6	Tags Critical Thinking, Written and Oral Communication (Communication)
Outcome Produce a written argument with adequate data to support their positions. (Critical Thinking, Communication Skills)	

SOCI225 - Sociology of Gender

Course Information

Course Number
225

Course Title (long)
Sociology of Gender

Course Description

This course is an introduction to the sociology of gender. It will explore the social construction of gender in a global and historical perspective and the ways in which gender as a system and intersecting with race and class creates and enforces inequality. (Prerequisites: Any 100 level Sociology course or ENGL-175, ENGL-229, HIST-125, HUMN-129, HUMN-230 or PSYC-225)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies

Cultural and Global Awareness (CG)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Sociology

Syllabus (Ctrl + click)

[SOCI225](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

- [Sociology 100-Level Courses](#)

OR

Criteria 2

Complete ANY of the following Courses:

- ENGL175 - Women's Perspectives in Literature
- ENGL229 - Representing Gender
- HIST125 - Women's History Survey: Experiences, Contributions and Debates
- HUMN129 - Issues in Women's and Gender Studies
- HUMN230 - Women and Science
- PSYC225 - Human Sexuality

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name SOCI225 - CLO 1	Outcome Demonstrate basic understanding of the different theoretical perspectives related to the analysis of gender.
Name SOCI225 - CLO 2	Outcome Critically analyze the construction of gendered individuals, their relationship to society and other social institutions.
Name SOCI225 - CLO 3	Outcome Discuss methods of research in the field of gender.
Name SOCI225 - CLO 4	Outcome Identify diverse presentations and experiences of gender in society, with special attention to the intersection between gender, race, class, and sexuality and its relation to issues of inequality.

SOCI226 - Drugs and American Society

Course Information

Course Number
226

Course Title (long)
Drugs and American Society

Course Description
Drug abuse has been declared our number one domestic social problem. This course applies methods and concepts of sociological analysis to the investigation of the complex social, cultural and historical forces which have shaped drug use in American society. Drug use in American culture is examined in the larger framework of international, political and economic processes.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Sociology

Syllabus (Ctrl + click)
[SOCI-226 Syllabus](#)

Course Learning Outcomes

Upon completion of this course, through oral and written communication and examination, students will be able to:

Name SOCI226 - CLO 1	Outcome Apply the methods and perspective of sociology to the analysis of the impact of drug use and drug policy in the U.S.
Justification CORE COMPETENCIES: HISTORICAL/SOCIETAL ANALYSIS, MATHEMATICAL/SCIENTIFIC REASONING, CRITICAL THINKING	
Name SOCI226 - CLO 2	Outcome Identify the complex relationship between the formulation of drug control policy and the impact that drug use has upon individuals and society.
Justification CORE COMPETENCIES: HISTORICAL/SOCIETAL ANALYSIS, MATHEMATICAL/SCIENTIFIC REASONING, CRITICAL THINKING	

	Outcome Describe historical and cross-cultural variables that impact the development of drug control policy and patterns of drug use.
Name SOCI226 - CLO 3	
Justification CORE COMPETENCIES: HISTORICAL/SOCIETAL ANALYSIS, MATHEMATICAL/SCIENTIFIC REASONING, CRITICAL THINKING	

SOCI235 - Sociology of Sport

Course Information

Course Number
235

Course Title (long)
Sociology of Sport

Course Description
This course examines the functions of sport as an emergent social institution in contemporary society. Focusing primarily but not exclusively upon the U.S., students will apply a sociological perspective to analyze the impact of sports upon culture, socialization, and social deviance. The course will examine the intersection of organized sports with major social institutions like family, education, the mass media, and the economy. There will be an emphasis upon the manifold connections between sport, race, class, and gender. (Prerequisites: ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing; Prerequisite or Corequisite: SOCI-101 is strongly recommended)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Sociology

Syllabus (Ctrl + click)
[SOCI235](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Writing Complete ALL of the following Course Sets: Foundational Studies Requirement in Writing OR: - Satisfactory completion of the College's foundational studies requirement in writing.
Recommended Complete ANY of the following Courses: SOCI101 - Principles of Sociology <i>SOCI-101 is strongly recommended.</i>
Corequisite Type Corequisite

Recommended

Enroll in the following Courses:

- SOCI101 - Principles of Sociology

SOCI-101 is strongly recommended.

Course Learning Outcomes

Upon completion of this course, through oral and written discussion and examination, students will be able to:

Name SOCI235 - CLO 1	Tags Historical/Societal Analysis, Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science)
Outcome Apply the methods and perspective of sociology to the analysis of sports in contemporary society. (Historical/Societal Analysis, Mathematical/Scientific Reasoning)	Justification Core Competencies: Information Literacy, Historical/Societal Analysis, Math/Scientific Reasoning, Critical Thinking

Name SOCI235 - CLO 2	Tags Critical Thinking, Historical/Societal Analysis
Outcome Identify and explain the attributes of sporting activities which lead to the sociological categorization of sport as an "emergent social institution" (Critical Thinking, Historical/Societal Analysis).	Justification Core Competencies: Information Literacy, Historical/Societal Analysis, Math/Scientific Reasoning, Critical Thinking

Name SOCI235 - CLO 3	Tags Historical/Societal Analysis
Outcome Describe and analyze the complex interrelationship between this emergent social institution and other social institutions (Historical/Societal Analysis)	Justification Core Competencies: Information Literacy, Historical/Societal Analysis, Math/Scientific Reasoning, Critical Thinking

Name SOCI235 - CLO 4	Tags Information Literacy (Integrated Course Goal)
Outcome Identify a need for information and collect, analyze, organize and evaluate information from a variety of sources that apply to the sporting culture both popular (film, newspaper, magazine, internet, television) and academic (texts, journals, trade publications) (Information Literacy).	Justification Core Competencies: Information Literacy, Historical/Societal Analysis, Math/Scientific Reasoning, Critical Thinking

SOCI295 - Special Project - Sociology

Course Information

Course Number 295	Course Title (long) Special Project - Sociology	Course Description (Prerequisite: Six credits in Sociology or approval from the instructor)
Credit Hours Min: 1 Max: 6	School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science
	Department(s) ~* Sociology	

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Fulfill ANY of the following requirements:

- Six credits in Sociology
- Approval from the instructor.

SOSC299 - Social Science Internship

Course Information

Course Number
299

Course Title (long)
Social Science Internship

Course Description
Students seeking an internship in the general areas of Social Science will select from a variety of internships which are interdisciplinary in nature (including two or more of the Social Sciences). These experiences would NOT be clearly developed under a single area of Social Science.

Credit Hours
Min:
3

Billing Hours
Min:
3

Department(s) ~*
Anthropology, Political Science, Psychology, Sociology

SPAN101 - Elementary Spanish I

Course Information

Course Number
101

Course Title (long)
Elementary Spanish I

Course Description
This course is designed for students with no previous knowledge, or very limited knowledge, of the Spanish language. Strong emphasis will be placed on acquiring conversational and comprehension skills, using practical and interesting situational materials that will stress both language and culture. Grammatical patterns and syntax will be introduced with the aim that students read and write what they have learned to say and understand. (This course is not open to native Spanish speakers or to students with more than two years of Spanish in high school, except by instructor approval)

Credit Hours
Min:
4

Billing Hours
Min:
4

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[SPAN-101](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name SPAN101 - CLO 1	Outcome Understand written and spoken Spanish at the Novice-Mid level* - (*The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name SPAN101 - CLO 2	Outcome Speak Spanish at the Novice-Mid level* - (*The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name SPAN101 - CLO 3	Outcome Write Spanish at the Novice-Mid level* - (*The Novice-Mid level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Name SPAN101 - CLO 4	Outcome Demonstrate basic knowledge of the life and culture of Spanish -speaking countries .

SPAN102 - Elementary Spanish II

Course Information

Course Number
102

Course Title (long)
Elementary Spanish II

Course Description
Students will build upon skills acquired in the first semester course and will be able to express themselves in a variety of more complex situations in Spanish.
(Prerequisite: A "C" or higher in SPAN 101 or instructor approval)

Credit Hours

Min:
4

Billing Hours

Min:
4

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[SPAN-102](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite			
Career Studies Fulfill ANY of the following requirements: <table border="1"> <tr> <td> Criteria 1 Earn a minimum grade of "C" in the following: - SPAN101 - Elementary Spanish I </td> </tr> <tr> <td align="center"> OR </td> </tr> <tr> <td> Criteria 2 OR: - Instructor approval. </td> </tr> </table>	Criteria 1 Earn a minimum grade of "C" in the following: SPAN101 - Elementary Spanish I	OR	Criteria 2 OR: Instructor approval.
Criteria 1 Earn a minimum grade of "C" in the following: SPAN101 - Elementary Spanish I			
OR			
Criteria 2 OR: Instructor approval.			

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name SPAN102 - CLO 1	Outcome Understand written and spoken Spanish at the Novice-High level* - (*The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name SPAN102 - CLO 2	Outcome Speak Spanish at the Novice-High level* - (*The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name SPAN102 - CLO 3	Outcome Write Spanish at the Novice-High level* - (*The Novice-High level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name SPAN102 - CLO 4	Outcome Demonstrate basic knowledge of the life and culture of Spanish -speaking countries.

SPAN204 - Intermediate Spanish II

Course Information

Course Number
204

Course Title (long)
Intermediate Spanish II

Course Description
Students will demonstrate the ability to speak, read and write Spanish and to discuss and evaluate Spanish and Latin American culture, customs and current events. They will also interact with native speakers of the language. (Prerequisite: A grade of "C" or higher in SPAN 203 or instructor approval)

Credit Hours

Min:
3

Billing Hours

Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

OR

Criteria 2

OR:

- Instructor approval.

SPAN207 - Spanish Conversation and Composition

Course Information

Course Number
207

Course Title (long)
Spanish Conversation and Composition

Course Description
This course is designed for students who have completed four semesters or more of College Spanish and/or already possess the ability to interact with native speakers and read and write the language. Emphasis will be on improving conversational skills; discussions will bring increasingly complex grammar and vocabulary into active use. (Prerequisite: A grade of "C" or higher in SPAN 204 or instructor's approval)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[SPAN207](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

SPAN204 - Intermediate Spanish II

OR

Criteria 2

OR:

Instructor approval.

SPAN208 - Intermediate Spanish I

Course Information

Course Number
208

Course Title (long)
Intermediate Spanish I

Course Description
Students will improve their speaking, listening, reading and writing skills, demonstrating the ability to report on various aspects of Spanish and Latin American life and culture using more complex language patterns.

Credit Hours
Min:
4

Billing Hours
Min:
4

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
[SPAN-208](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name SPAN208 - CLO 1	Outcome Understand written and spoken Spanish at the Intermediate-Low level* - (* the Intermediate-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name SPAN208 - CLO 2	Outcome Speak Spanish at the Intermediate-Low level* - (* the Intermediate-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)
Name SPAN208 - CLO 3	Outcome Write Spanish at the Intermediate-Low level* - (* the Intermediate-Low level of the Proficiency Guidelines as established by the American Council on the Teaching of Foreign Languages)

Course Information

Course Title (long)
Contemporary Latin American Literature

Course Description
The student will read Latin American poetry, essays, short stories, and plays of the 20th century in Spanish. Discussions will be conducted in Spanish. (Prerequisite: A grade of "C" or higher in SPAN 204 or instructor's approval)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Earn a minimum grade of "C" in the following:

- SPAN204 - Intermediate Spanish II

_____ **OR** _____

Criteria 2

OR:

- Instructor approval.

Course Information

Course Number
216

Course Title (long)
Spanish for Native and Near-Native Speakers

Course Description

The student will demonstrate the ability to use the Spanish language correctly in writing, as well as orally, and to relate it to present issues. Upon completion of the course, the student will have acquired basic writing skills and knowledge of the Spanish grammatical structure. Specific writing needs will be met by individualized instruction and in laboratory hours. (Prerequisite: Native speaking ability or approval of instructor or a grade of "C" or higher in SPAN 207 or SPAN 215)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Languages/ESL

Syllabus (Ctrl + click)
SPAN216

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

- Native speaking ability.

OR

Criteria 2

- Approval of instructor.

OR

Criteria 3

Earn a minimum grade of "C" in the following:

- SPAN207 - Spanish Conversation and Composition
OR SPAN215 - Contemporary Latin American Literature

SPCH115 - Public Speaking

Course Information

Course Number
115

Course Title (long)
Public Speaking

Course Description
Students will develop the public speaking skills central to success in academic, civic, business and professional life. Students who complete SPCH-115 will have performed informative, persuasive and demonstrative speeches which exhibit competence in academic research, technological literacy, ethical reasoning, critical thinking, organization and extemporaneous delivery. (Prerequisite(s): READ-092, READ-094, READ-095 or ESL-012 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Communications (C), Ethical Reasoning and Action (E), Information Literacy (IL)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Speech Communication

Syllabus (Ctrl + click)
[SPCH-115](#)

Course Requirements

Simple Requisites

Prerequisite Type

Prerequisite

Foundational Studies Requirement in Reading

Fulfill ANY of the following requirements:

Criteria 1

Complete at least 1 courses in the following course sets:

• [Foundational Studies Requirement in Reading](#)

OR

Criteria 2

Complete ALL of the following Courses:

• [ESL012 - Academic English As a Second Language II Language II](#)

OR

- Criteria 3
- OR:
- [Satisfactory completion of the College's foundational studies requirement in reading.](#)

Course Learning Outcomes

Name SPCH115 - CLO 1	Tags Written and Oral Communication (Communication), Information Literacy (Integrated Course Goal)
Outcome Deliver effective extemporaneous demonstrative, informative, persuasive, and special occasion speeches (C) (IL)	Justification Learning Outcome(s) support the following General Education knowledge areas: ◇ (C) Communications ◇ (E) Ethical Reasoning and Action ◇ (IL) Information Literacy
Name SPCH115 - CLO 2	Tags Written and Oral Communication (Communication)
Outcome Demonstrate effective physical and vocal delivery techniques (C)	Justification Learning Outcome(s) support the following General Education knowledge areas: ◇ (C) Communications ◇ (E) Ethical Reasoning and Action ◇ (IL) Information Literacy
Name SPCH115 - CLO 3	Tags Information Literacy (Integrated Course Goal)
Outcome Use current research methods to locate information for assigned speeches (IL)	Justification Learning Outcome(s) support the following General Education knowledge areas: ◇ (C) Communications ◇ (E) Ethical Reasoning and Action ◇ (IL) Information Literacy
Name SPCH115 - CLO 4	Tags Written and Oral Communication (Communication)
Outcome Develop and use visual aids and presentation software correctly (C)	Justification Learning Outcome(s) support the following General Education knowledge areas: ◇ (C) Communications ◇ (E) Ethical Reasoning and Action ◇ (IL) Information Literacy

Name SPCH115 - CLO 5	Tags Written and Oral Communication (Communication), Ethical Reasoning and Action (Integrated Course Goal)
	Justification Learning Outcome(s) support the following General Education knowledge areas: ♦ (C)
Outcome Develop ethical research and communication skills in a variety of public speaking assignments (C/E)	Communications ♦ (E) Ethical Reasoning and Action ♦ (IL) Information Literacy

Name SPCH115 - CLO 6	Tags Written and Oral Communication (Communication)
	Justification Learning Outcome(s) support the following General Education knowledge areas: ♦ (C)
Outcome Implement effective strategies to manage public speaking anxiety (C)	Communications ♦ (E) Ethical Reasoning and Action ♦ (IL) Information Literacy

Name SPCH115 - CLO 7	Outcome Responsible class attendance in face-to-face classes and/or fully online.
	Justification Learning Outcome(s) support the following General Education knowledge areas: ♦ (C) Communications ♦ (E) Ethical Reasoning and Action ♦ (IL) Information Literacy

SPCH130 - Interpersonal Communications

Course Information

Course Number
130

Course Title (long)
Interpersonal Communications

Course Description
This course will introduce students to the study of interpersonal communication. Students will be provided with an opportunity to improve their theoretical understanding and practical application of interpersonal skills. Specific focus on dyadic communication relationships will include aspects of initiation, maintenance and closure within situation specific contexts. An oral skill building approach to this course and its material will require that students participate in class activities that emphasize effective listening and speaking. Additionally written assignments and/or tests accompany each unit. (Prerequisite: READ-095 or satisfactory completion of the College's foundational studies requirement in reading)

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Speech Communication

Syllabus (Ctrl + click)
[SPCH130](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Foundational Studies Requirement in Reading Fulfill ANY of the following requirements: Criteria 1 Complete at least 1 courses in the following course sets: Foundational Studies Requirement in Reading Must be READ-095 OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in reading.

Course Learning Outcomes

Students will be able to:

Name SPCH130 - CLO 1	Tags Written and Oral Communication (Communication)
Outcome Develop active/reflective listening skills (Communication)	

Name SPCH130 - CLO 2	Tags Written and Oral Communication (Communication)
Outcome Develop ability to identify and effectively engage in verbal strategies and behaviors to meet interpersonal goals (Communication)	

Name SPCH130 - CLO 3	Tags Written and Oral Communication (Communication)
Outcome Develop ability to identify and effectively engage in nonverbal strategies and behaviors to meet interpersonal goals (Communication)	

Name SPCH130 - CLO 4	Tags Written and Oral Communication (Communication)
Outcome Employ assertive communication through use of appropriate strategies (Communication/Personal Development)	

Name SPCH130 - CLO 5	Tags Written and Oral Communication (Communication)
Outcome Demonstrate effective workplace communication skills (Communication)	

Name SPCH130 - CLO 6	Tags Written and Oral Communication (Communication)

Outcome

Develop ability to recognize and adapt to gender differences in communication styles (Communication/Personal Development)

Name SPCH130 - CLO 7	Tags Written and Oral Communication (Communication)
Outcome Develop effective conflict resolution skills in interpersonal settings through use of an appropriate Conflict Resolution model (Communication/Personal Development)	

SPCH215 - Argumentation and Debate

Course Information

Course Number
215

Course Title (long)
Argumentation and Debate

Course Description
Students will sharpen their critical thinking skills through their participation in structured argument and debate. Through several debate formats students will learn how to research in support of an argument, compose sound and logical arguments, and present those arguments orally. NOTE: This course is offered only in the Spring term of odd years. (Prerequisites: ENGL-095 or satisfactory completion of the College's foundational studies requirement in writing and SPCH-115 or permission of instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Speech Communication
Syllabus (Ctrl + click) SPCH215		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Foundational Studies Requirement in Writing Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Course Sets: Foundational Studies Requirement in Writing OR Criteria 2 OR: - Satisfactory completion of the College's foundational studies requirement in writing. Career Studies Fulfill ANY of the following requirements: Criteria 1

Complete ALL of the following Courses:
SPCH115 - Public Speaking
OR
Criteria 2
OR:
Permission of instructor.

SPCH225 - Advanced Public Speaking

Course Information

Course Number
225

Course Title (long)
Advanced Public Speaking

Course Description
Advanced Public Speaking builds on the foundation of the public speaking skills developed in SPCH 115 and is designed to challenge students to refine those skills. Students will learn to apply communication principles to practical challenges faced in personal, civic, and professional life.(Prerequisites: SPCH 115 with a grade of C or higher)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Speech Communication
Syllabus (Ctrl + click) SPCH225		

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite	Career Studies Earn a minimum grade of "C" in the following: SPCH115 - Public Speaking

SPCH230 - Introduction to Communication Disorders

Course Information

Course Number
230

Course Title (long)
Introduction to Communication Disorders

Course Description
This course will introduce students to common organic and neurogenic communication disorders in children and adults. Articulation, voice, fluency, language, and hearing disorders will all be addressed by examining their nature, causes, symptoms and treatments. Students will also be introduced to the corresponding professions that work to remediate communication disorders. (Prerequisite: SPCH-115)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Speech Communication
Syllabus (Ctrl + click) SPCH230		

Course Requirements

No Requirements

SPCH295 - Special Project - Speech

Course Information

Course Number
295

Course Title (long)
Special Project - Speech

Course Description
(Prerequisite: Approval of instructor)

Credit Hours
Min:1Max:6

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Speech Communication

Course Requirements

Simple Requisites
Prerequisite Type Prerequisite Career Studies Fulfill ALL of the following requirements: Approval of instructor.

TELV115 - TV Aesthetics and Analysis

Course Information

Course Number
115

Course Title (long)
TV Aesthetics and Analysis

Course Description
This course is based on the assumption that television, our most pervasive medium, deserves critical examination. Students will explore the nature of the medium and analyze both content and design of current programming.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media
Syllabus (Ctrl + click) TELV115		

Course Learning Outcomes

Name TELV115 - CLO 1	Outcome Students will obtain an understanding of television history as well as the ability to analysis past and current television trends and programs.
Name TELV115 - CLO 2	Outcome Students will identify and analyze the narrative structure of a variety of TV genres and programs.
Name TELV115 - CLO 3	Outcome Students will analyze aesthetic elements of television such as cinematography, editing principles, lighting techniques, production design, and sound design.

TELV121 - Television Production

Course Information

Course Number
121

Course Title (long)
Television Production

Course Description
The student will demonstrate an understanding of basic television production techniques including the use of the camera, console and audio board and the preparation of scripts by producing and directing studio programs.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media
Syllabus (Ctrl + click) TELV121		

Course Learning Outcomes

Name TELV121 - CLO 1	Tags Technological Competency (Technology)
Outcome Demonstrate proficiency with studio video production equipment (Technological Literacy)	
Name TELV121 - CLO 2	Tags Technological Competency (Technology), Creative Expression
Outcome Demonstrate competency in the preproduction, design and direction and of a studio interview production. (Technological Literacy, Creative Expression)	
Name TELV121 - CLO 3	Tags Technological Competency (Technology), Creative Expression

Outcome
Produce episodic television within a multi-camera studio environment. (Technological Literacy, Creative Expression)

Name TELV121 - CLO 4	Tags Critical Thinking
Outcome Execute directorial decisions during a live production. (Critical Thinking)	

TELV122 - Digital Video Production

Course Information

Course Number
122

Course Title (long)
Digital Video Production

Course Description
Digital video production deals with video field production in the digital domain. The student will plan, shoot and edit videotaped projects in the documentary or informational format. Use of digital video production and editing techniques will be emphasized. (Prerequisite: TELV 121 with minimum grade of "C" or DGMD-101)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Syllabus (Ctrl + click)
[TELV122](#)

Course Requirements

Simple Requisites

Prerequisite
Type
Prerequisite

Career Studies

Earn a minimum grade of "C" in the following:

- TELV121 - Television Production

OR DGMD101 - Introduction to Digital Media

Course Learning Outcomes

Name TELV122 - CLO 1	Outcome Develop proficiency with portable video production equipment. This includes portable camera, field audio equipment, portable lights.
Name TELV122 - CLO 2	Outcome Develop competency in the design, shooting and editing of a video field production.

Name TELV122 - CLO 3	Outcome To understand the process of single camera portable video production.

Name TELV122 - CLO 4	Outcome Develop proficiency in non-linear video editing / Adobe Premiere Pro.

TELV224 - Video Editing and Post Production

Course Information

Course Number
224

Course Title (long)
Video Editing and Post Production

Course Description
This course will focus on advanced principles of professional video editing. Students will learn to operate and effectively use the principal components of a contemporary computer-based editing system. The course content will focus on aesthetic principles of visual continuity as well as technical considerations. (Prerequisite: TELV 121 and TELV 122 with minimum grade of "C")

Credit Hours

Min:
3

Billing Hours

Min:
3

School School of Business, Humanities and Social Science	Division Division of Humanities & Social Science	Department(s) ~* Communication Media

Syllabus (Ctrl + click)
[TELV224](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies Earn a minimum grade of "C" in the following: • TELV121 - Television Production • TELV122 - Digital Video Production

Course Learning Outcomes

Name TELV224 - CLO 1	Outcome Demonstrate understand of principals of visual continuity in editing.
Name TELV224 - CLO 2	Outcome Demonstrate technical ability in the creating of multi-layered composite effects projects.

Name TELV224 - CLO 3	Outcome Produce visual effects animation using digital non-linear video systems.
Name TELV224 - CLO 4	Outcome Modify edited content for continuity and aesthetic values.

TELV295 - Special Project - Television

Course Information

Course Number
295

Course Title (long)
Special Project - Television

Course Description
Students will design a project of advanced study. Students must have completed previous course work in the subject area and must meet with an appropriate instructor before registration. (Prerequisites: TELV 121, TELV 122 and TELV 224)

Credit Hours

Min: 1 **Max:** 6

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Complete ALL of the following Courses: • TELV121 - Television Production • TELV122 - Digital Video Production • TELV224 - Video Editing and Post Production

TELV299 - Television Internship

Course Information

Course Number
299

Course Title (long)
Television Internship

Course Description
Students will practice television production and organizational skills in a real world experience. They will work with an experienced practitioner who will guide and supervise their progress. Such an internship may be in television services at Brookdale's cable television system or in television facilities in education, business or industry. (Prerequisites: TELV 121, TELV 122, TELV 224 and approval of instructor and Career Services Representative)

Credit Hours

Min: 1 **Max:** 6

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Communication Media

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ALL of the following requirements:
Criteria 1
Complete ALL of the following Courses: • TELV121 - Television Production • TELV122 - Digital Video Production • TELV224 - Video Editing and Post Production
AND
Criteria 2
AND: • Approval of instructor and Career Services Representative.

THTR105 - Theater Appreciation

Course Information

Course Number
105

Course Title (long)
Theater Appreciation

Course Description
This course is an introduction to the elements of theater, the current Broadway scene, theatrical reviewing, the form and content of drama and theater history. In addition to lecture and films, the students will be required to see a Broadway or off-Broadway show. This is not a performance course.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR-105](#)

Outcome
Collect, identify, analyze, organize and evaluate information from a variety of sources and then synthesize it into a written document (Information Literacy), (Critical Thinking), (Creative Expression).

Name	Tags
THTR105 - CLO 3	Historical/Societal Analysis

Outcome
Identify and analyze the lives, times, social, economic and political climate in which their plays were conceived, written and performed as well as the effect this had on the writers and how this influenced their work and how the plays influenced society. (Historical/ Societal Analysis).

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name THTR105 - CLO 1		Tags Written and Oral Communication (Communication), Creative Expression, Critical Thinking
Outcome Communicate their personal thoughts and theories about the text, viewing of films and live theater (Communication, Creative Expression, and Critical Thinking).		
Name THTR105 - CLO 2		Tags Information Literacy (Integrated Course Goal), Critical Thinking, Creative Expression

THTR111 - Acting I

Course Information

Course Number
111

Course Title (long)
Acting I

Course Description

Acting I is an introductory course. Students learn to act by participating in a variety of theater games, exercises and improvisations culminating with a basic scene presentation. The student will perform in solo and group improvisations. The student will learn how the actor's words and body communicate a full range of ideas and emotions. The student will demonstrate the ability to explore all the concepts covered in the class and apply those concepts by memorizing, rehearsing and performing in a comedic or dramatic scene three to five minutes in length.

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR111](#)

Name
THTR111 - CLO 4

Outcome
Collect, analyze, organize and evaluate needed information so it can be synthesized and utilized for the development of character in their scene.

Name
THTR111 - CLO 5

Outcome
Identify and analyze both historical and societal issues and the effect they have on the material they are preparing.

Name
THTR111 - CLO 6

Outcome
Critically evaluate culturally diverse and sensitive thoughts, concepts, and people with the most ethical, understanding and appropriate conduct. The student will understand that nothing gets accomplished without teamwork or what we call being part of the ensemble.

Name
THTR111 - CLO 7

Outcome
Develop mentally, physically, emotionally, socially, and sociologically while learning how to personally manage their time and stress to do all the things they want to do.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name
THTR111 - CLO 1

Outcome
Communicate an objective through listening, physical and emotional connection and response. This is assessed through the break down and memorization of text.

Name
THTR111 - CLO 2

Outcome
Break down/analyze the text into units and to clearly, critically and creatively make logical decisions on how s/he should approach the character's development.

Name
THTR111 - CLO 3

Outcome
Use visual, verbal and written methods of research to efficiently and effectively express themselves creatively.

THTR112 - Acting II

Course Information

Course Number
112

Course Title (long)
Acting II

Course Description

This class is the next step in the acting sequence. The focus of the class is intensive character development and scene study. The students will start to explore in depth the concepts of character development, intentions, actions/objective, super objective, text, subtext, operative words, physicalization, personalization, articulation, diction, and projection. These theories are applied through the presentation of two scenes. (Prerequisite: THTR-111 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR112](#)

Course Requirements

Simple Requisites

Prerequisite Type Prerequisite
Career Studies
Fulfill ANY of the following requirements:
Criteria 1 Complete ALL of the following Courses: THTR111 - Acting I
OR
Criteria 2 OR: Permission of instructor.

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name THTR112 - CLO 1	Tags Written and Oral Communication (Communication)
Outcome Communicate an objective through listening, physical and emotional connection and response. This is assessed through the break down and memorization of text (Communication).	

Name THTR112 - CLO 2	Tags Critical Thinking
Outcome Break down/analyze the text into units and to clearly, critically and creatively make logical decisions on how s/he should approach the character's development (Critical Thinking).	

Name THTR112 - CLO 3	Tags Creative Expression
Outcome Use visual, verbal and written methods of research to efficiently and effectively express themselves creatively (Creative Expression).	

Name THTR112 - CLO 4	Tags Information Literacy (Integrated Course Goal)
Outcome Collect, analyze, organize and evaluate needed information so it can be synthesized and utilized for the development of character in their scene (Information Literacy).	

Name THTR112 - CLO 5	Tags Historical/Societal Analysis
Outcome Identify and analyze both historical and societal issues and the effect they have on the material they are preparing (Historical/Societal).	

Name THTR112 - CLO 6	Outcome Develop mentally, physically, emotionally, socially, and sociologically while learning how to personally manage their time and stress to do all the things they want to do (Personal Development)

THTR121 - Basic Directing

Course Information

Course Number
121

Course Title (long)
Basic Directing

Course Description
In this course, the student will learn the fundamentals of directing a play. The student will learn how to analyze a script, develop a production concept, and conduct rehearsals. The student will learn about all the elements that a director must consider in order to understand and completely communicate the super objective of the play: script analysis, casting, conducting rehearsals, the schedule, time management, communication with actors, resolving problems, picturization, conceptualizing, and communicating concepts with the design and technical staff. All directors are required to observe rehearsals during and outside of class time and to see both Brookdale productions. All directors are required to observe and participate in Basic Acting class. (Prerequisite: THTR-111 is highly recommended)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR121](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Recommended

Complete ANY of the following Courses:

- THTR111 - Acting I

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name THTR121 - CLO 1	Outcome Communicate the super objective of a one act play using directorial theories and concepts used for script, play and actor development.

Name THTR121 - CLO 2	Tags Critical Thinking
Outcome Break down/analyze the technical needs of a show and be able to clearly, critically and creatively make logical decisions on how s/he should approach the technical areas of a show to communicate the shows message. (Critical Thinking).	

Name THTR121 - CLO 3	Tags Creative Expression
Outcome Use visual, verbal and written methods of research to efficiently and effectively express the thematic elements of a script to the actors and technical crew. (Creative Expression).	

Name THTR121 - CLO 4	Tags Information Literacy (Integrated Course Goal)
Outcome Collect, analyze, organize and evaluate needed information so it can be synthesized and utilized for the development of the play. (Information Literacy).	

Name THTR121 - CLO 5	Tags Historical/Societal Analysis
Outcome Identify and analyze both historical and societal issues and the effect they have on the material they are preparing (Historical/Societal).	

Name THTR121 - CLO 6	Outcome Develop mentally, physically, emotionally, socially, and sociologically while learning how to personally manage their time and stress to do all the things they want to do (Personal Development)

THTR135 - Musical Theater

Course Information

Course Number
135

Course Title (long)
Musical Theater

Course Description
The history of the American Musical Theater will be studied in depth, beginning with the imported Operetta and English Music Hall tradition and ending with current trends in the theater. Students will be presented with a thorough discussion of Vaudeville, Minstrel Shows, Musical Comedy and Musical Theater with an emphasis on the most important shows, performers, composer/lyricists, directors, choreographers and other theater professionals. There will also be a discussion of the impact of major social events upon the creative community, including the two World Wars, the Great Depression (including the WPA) and the social upheaval of the 1960s.

Credit Hours
Min:
3

Billing Hours
Min:
3

General Education Competencies
Humanities (HU)

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR135](#)

THTR145 - Technical Theater I

Course Information

Course Number
145

Course Title (long)
Technical Theater I

Course Description
The student will be introduced to theater terminology, stage carpentry techniques, scene painting, stage lighting, and rigging for the stage, including proper operation of the arbor weight system and common knots used in theatrical rigging. The student will apply the concepts learned in class in a Theater Department show.

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR145](#)

Course Learning Outcomes

Upon completion of this course, students will be able to:

Name	Outcome
THTR145 - CLO 1	Communicate an objective using proper technical theater terminology used for stage Carpentry, shop tools, scenic painting, lighting and rigging for the Stage. (Communication).

Name	Tags
THTR145 - CLO 2	Critical Thinking
Outcome Break down/analyze the basic technical needs of a show and be able to clearly, critically and creatively make logical decisions on how s/he should approach the technical areas of a show to enhance the shows development (Critical Thinking).	

Name	Tags
THTR145 - CLO 3	Creative Expression

Outcome
Use visual, verbal and written methods of research to efficiently and effectively express the thematic elements of a script. (Creative Expression).

Name
THTR145 - CLO 4

Tags
Information Literacy (Integrated Course Goal)

Outcome
Collect, analyze, organize and evaluate needed information so it can be synthesized and utilized for the development of character in their scene (Information Literacy).

Name
THTR145 - CLO 5

Tags
Historical/Societal Analysis

Outcome
Identify and analyze both historical and societal issues and the effect they have on the material they are preparing (Historical/Societal).

Name
THTR145 - CLO 6

Outcome
Develop mentally, physically, emotionally, socially, and sociologically while learning how to personally manage their time and stress to do all the things they want to do (Personal Development)

Name
THTR145 - CLO 7

Tags
Quantitative Knowledge and Skills (Mathematics), Scientific Knowledge and Reasoning (Science)

Outcome
Use geometry and fractions in the building of sets. The student will learn about the components of paint and mixtures used in painting and sizing materials. The student will be introduced to the weight and measure Rigging double purchase system figuring pipe weight to arbor weight (2:1 ratio). (Mathematical/Scientific Reasoning)

THTR146 - Technical Theater II

Course Information

Course Number
146

Course Title (long)
Technical Theater II

Course Description
This course deals with advanced technical theory and practical application. The class will cover electricity from electrical theory at the atomic level up to its practical application in the theater. Stage lighting basics, lighting history, lighting instruments, lighting control, and maintenance and operation of lighting systems will be taught. Principles of theatrical sound and techniques for patching and operating the sound systems will be covered. (Prerequisite: THTR-145 or permission of instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR146](#)

Course Requirements

Simple Requisites

Prerequisite Type
Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

- THTR145 - Technical Theater I

OR

Criteria 2

OR:

- Permission of instructor.

THTR213 - Acting III

Course Information

Course Number
213

Course Title (long)
Acting III

Course Description

This course is designed to introduce the student to acting in the classical style. This course will focus on applying the basic and advanced principles of character development and scene study for rehearsal and presentation of a classical monologue and scene. This course will concentrate on learning body, voice, and speech awareness and control, along with character and script analysis. The student will learn to channel his/her spontaneity into a style with requirements that are more stringent than those in realistic plays.(Prerequisite: THTR-112 or permission of the instructor)

Credit Hours

Min:
3

Billing Hours

Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR-213](#)

Course Requirements

Simple Requisites

Prerequisites Type Prerequisite
Career Studies Fulfill ANY of the following requirements: Criteria 1 Complete ALL of the following Courses: - THTR112 - Acting II ————— OR ————— Criteria 2 OR: - Permission of the instructor.

Name THTR213 - CLO 1	Tags Written and Oral Communication (Communication)
Outcome Communicate an objective through listening, physical and emotional connection and response. This is assessed through the break down and memorization of text (Communication).	

Name THTR213 - CLO 2	Tags Critical Thinking
Outcome Break down/analyze the text into units and to clearly, critically and creatively make logical decisions on how s/he should approach the character's development (Critical Thinking).	

Name THTR213 - CLO 3	Tags Creative Expression
Outcome Use visual, verbal and written methods of research to efficiently and effectively express themselves creatively (Creative Expression).	

Name THTR213 - CLO 4	Tags Information Literacy (Integrated Course Goal)
Outcome Collect, analyze, organize and evaluate needed information so it can be synthesized and utilized for the development of character in their scene (Information Literacy).	

Name THTR213 - CLO 5	Tags Historical/Societal Analysis
Outcome Identify and analyze both historical and societal issues and the effect they have on the material they are preparing (Historical/Societal).	

Course Learning Outcomes

THTR222 - Acting IV: Auditioning

Course Information

Course Number
222

Course Title (long)
Acting IV: Auditioning

Course Description
The focus of this course is the intensive study in Classical and Modern monologues styles, and cold readings. The class prepares the student for the business facet of acting, focusing on resumes, auditions, four year college programs B.A., B.F.A., Conservatory, casting agents/directors and the process of getting work. This class is for the actor who wants to gain an understanding of the specific knowledge necessary for establishing and applying their training.(Prerequisite: THTR-213 or permission of the instructor)

Credit Hours
Min:
3

Billing Hours
Min:
3

School	Division	Department(s) ~*
School of Business, Humanities and Social Science	Division of Humanities & Social Science	Theater

Syllabus (Ctrl + click)
[THTR222](#)

Course Requirements

Simple Requisites

Prerequisite

Type

Prerequisite

Career Studies

Fulfill ANY of the following requirements:

Criteria 1

Complete ALL of the following Courses:

• THTR213 - Acting III

OR

Criteria 2

OR:

• Permission of the instructor

Name	Tags
THTR222 - CLO 1	Written and Oral Communication (Communication)
Outcome	
Communicate an objective through listening, physical and emotional connection and response. This is assessed through the break down and memorization of text (Communication).	

Name	Tags
THTR222 - CLO 2	Critical Thinking
Outcome	
Break down/analyze the text into units and to clearly, critically and creatively make logical decisions on how s/he should approach the character’s development (Critical Thinking).	

Name	Tags
THTR222 - CLO 3	Creative Expression
Outcome	
Use visual, verbal and written methods of research to efficiently and effectively express themselves creatively (Creative Expression).	

Name	Tags
THTR222 - CLO 4	Information Literacy (Integrated Course Goal)
Outcome	
Collect, analyze, organize and evaluate needed information so it can be synthesized and utilized for the development of character in their scene (Information Literacy).	

Name	Tags
THTR222 - CLO 5	Historical/Societal Analysis
Outcome	
Identify and analyze both historical and societal issues and the effect they have on the material they are preparing (Historical/Societal).	

Course Learning Outcomes

Upon completion of this course, students will be able to:

THTR295 - Special Project - Theater

Course Information

Course Number
295

Course Title (long)
Special Project - Theater

Course Description
The student, with the instructor, will design a special theatrical project in acting, directing or technical work. The student will demonstrate skills relative to the specific project.

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Theater

THTR299 - Theater Internship

Course Information

Course Number
299

Course Title (long)
Theater Internship

Course Description
Students will apply theatrical skills in a practical, hands-on environment. They will work with an experienced practitioner who will guide and supervise their progress. Internships may be in the technical crafts, in an acting program or in the management areas. Internships may be arranged by a faculty director or developed by the student with approval of a theater faculty member and Career Services Representative)

Credit Hours

Min:	Max:
1	6

Department(s) ~*
Theater

Course Sets

Humanities (HU)

Complete ANY:

- ARTH105 - Art Appreciation
 - ARTH106 - History of Art: Ancient Through Medieval
 - ARTH107 - History of Art: Renaissance Through Contemporary
 - CINE105 - Film Appreciation
 - MUSI115 - History of Classical Music
 - MUSI116 - History of Jazz
 - PHTY105 - The History and Aesthetics of Photography
 - THTR105 - Theater Appreciation
- THTR135 - Musical Theater
 - HIST105 - World Civilization I
 - HIST106 - World Civilization II
 - HIST107 - Contemporary World History
 - HIST108 - Modern European History
 - HIST125 - Women's History Survey: Experiences, Contributions and Debates
 - HIST135 - American Civilization I
 - HIST136 - American Civilization II
 - HIST137 - Recent American History
 - HIST145 - African-American History I
 - HIST146 - African-American History II

- HIST215 - African Civilization
- HIST217 - Modern Latin American History
- HIST225 - History of Modern Asia
- HIST227 - Middle Eastern History
- HUMN111 - Intro to Social Justice in Humanities
- HUMN125 - The Creative Process
- HUMN129 - Issues in Women's and Gender Studies
- AMSL101 - American Sign Language I
- AMSL102 - American Sign Language II
- ARAB101 - Elementary Arabic I
- ARAB102 - Elementary Arabic II
- Untitled Course
- Untitled Course
- FRCH101 - Elementary French I
- FRCH102 - Elementary French II
- FRCH203 - Intermediate French I
- FRCH204 - Intermediate French II
- FRCH206 - French Conversation and Composition I
- FRCH207 - French Conversation and Composition II
- Untitled Course
- Untitled Course
- GRMN203 - Intermediate German I
- GRMN204 - Intermediate German II
- ITAL101 - Elementary Italian I
- ITAL102 - Elementary Italian II
- ITAL203 - Intermediate Italian I
- ITAL204 - Intermediate Italian II
- JPNS101 - Elementary Japanese I
- JPNS102 - Elementary Japanese II
- JPNS203 - Intermediate Japanese I
- JPNS204 - Intermediate Japanese II
- PORT101 - Elementary Portuguese I
- PORT102 - Elementary Portuguese II
- RUSS101 - Elementary Russian I
- RUSS102 - Elementary Russian II
- SPAN101 - Elementary Spanish I
- SPAN102 - Elementary Spanish II
- SPAN204 - Intermediate Spanish II
- SPAN207 - Spanish Conversation and Composition
- SPAN215 - Contemporary Latin American Literature
- ENGL150 - African-American Literature
- ENGL155 - The Short Story
- ENGL156 - Introduction to Poetry
- ENGL158 - Introduction to Literature
- ENGL175 - Women's Perspectives in Literature
- ENGL231 - British Literature I: Beginnings to 18th Century
- ENGL232 - British Literature II: Romantic Era to The Modern Age
- ENGL235 - World Literature I
- ENGL236 - World Literature II
- ENGL245 - American Literature I
- ENGL246 - American Literature II
- ENGL275 - Shakespeare's Plays
- PHIL105 - Critical Thinking
- PHIL115 - Introduction to Philosophy
- PHIL225 - Comparative Religion
- PHIL226 - Logic
- PHIL227 - Introduction to Ethics
- PHIL228 - Social and Political Philosophy

Cultural and Global Awareness (CG)

Complete ANY:

- ANTH105 - Cultural Anthropology
- ANTH106 - Cultures of the World
- ANTH205 - Culture and Personality
- GEOG115 - Human Geography
- HIST105 - World Civilization I
- HIST106 - World Civilization II
- HIST107 - Contemporary World History
- HIST125 - Women's History Survey: Experiences, Contributions and Debates
- HIST126 - Dimensions of the Holocaust
- HIST145 - African-American History I
- HIST155 - Native American Studies
- HIST215 - African Civilization
- HIST217 - Modern Latin American History
- HIST225 - History of Modern Asia
- HIST226 - History of Modern Russia
- HIST227 - Middle Eastern History
- HIST235 - Immigration & Ethnicity in American History
- HUMN111 - Intro to Social Justice in Humanities
- HUMN129 - Issues in Women's and Gender Studies
- HUMN230 - Women and Science
- HUMN129 - Issues in Women's and Gender Studies
- HUMN230 - Women and Science
- MUSI116 - History of Jazz
- PSYC217 - Social Psychology
- PSYC225 - Human Sexuality
- SOCI105 - Intercultural Communication: The Person and The Process
- SOCI216 - Majority & Minority Relations in America
- SOCI225 - Sociology of Gender

Foundational Studies Requirement in Algebra

Complete ANY:

- MATH021 - Introductory Algebra
- MATH025 - Elementary Algebra

Information Literacy (IL)

Complete ANY:

- ANTH205 - Culture and Personality
- ENGL122 - English Composition: Writing and Research
- HUMN111 - Intro to Social Justice in Humanities
- SPCH115 - Public Speaking

Foundational Studies Requirement in Writing

Complete ANY:

- ENGL095 - Fundamentals of Writing

Sciences (SC)

Complete ANY:

- BIOL101 - General Biology I
- BIOL102 - General Biology II
- BIOL105 - Life Sciences
- BIOL108 - Human Biology
- BIOL111 - Anatomy and Physiology I

- BIOL112 - Anatomy and Physiology II
- BIOL125 - Introduction to Plants
- BIOL126 - Exploring Biology: Cycles of Life
- BIOL213 - Microbiology
- CHEM100 - Principles of Chemistry
- CHEM101 - General Chemistry I
- CHEM102 - General Chemistry II
- CHEM116 - Chemistry in Life
- CHEM136 - Introduction to Inorganic, Organic and Biological Chemistry
- ENVR107 - Environmental Science
- ENVR108 - Principles of Sustainability
- ENVR111 - Oceanography
- ENVR127 - Meteorology
- ENVR130 - Physical Geology
- PHYS106 - Astronomy
- PHYS108 - Physics in Life
- PHYS111 - General Physics I (Non-Calculus)
- PHYS112 - General Physics II (Non-Calculus)
- PHYS121 - General Physics I
- PHYS122 - General Physics II
- PHYS223 - General Physics III

Communications (C)

Complete ANY:

- ENGL121 - English Composition: The Writing Process
- ENGL122 - English Composition: Writing and Research
- SPCH115 - Public Speaking

Mathematics (M)

Complete ANY:

- MATH131 - Statistics
- MATH136 - Mathematics for the Liberal Arts
- MATH145 - Algebraic Modeling
- MATH151 - Intermediate Algebra
- MATH152 - College Algebra & Trigonometry
- MATH153 - Pre-Calculus Mathematics
- MATH156 - Mathematics for Management and the Social Sciences
- MATH171 - Calculus I
- MATH172 - Calculus II
- MATH176 - Calculus With Business Applications
- MATH273 - Calculus III
- MATH274 - Elementary Differential Equations
- MATH285 - Linear Algebra

Social Sciences (SS)

Complete ANY:

- ANTH105 - Cultural Anthropology
- ANTH115 - Introduction to Archaeology
- ANTH116 - Introduction to Physical Anthropology
- ECON105 - Macro Economics
- ECON106 - Micro Economics
- ECON107 - Economics
- GEOG115 - Human Geography
- POLI101 - Introduction to Political Science
- POLI105 - American National Government
- POLI115 - State, County, & Local Government

- PSYC105 - Introduction to Psychology I: Physical & Sensory Aspects
- PSYC106 - Introduction to Psychology II: Personality & Social Aspects
- PSYC206 - Human Growth and Development I
- PSYC207 - Human Growth and Development II
- PSYC208 - Life Span Development
- PSYC226 - Adolescent Psychology
- SOCI101 - Principles of Sociology
- SOCI202 - Analysis of Social Problems
- SOCI215 - Marriage and the Family

History (HI)

Complete ANY:

- HIST106 - World Civilization II
- HIST107 - Contemporary World History
- HIST108 - Modern European History
- HIST225 - History of Modern Asia
- HIST227 - Middle Eastern History
- HIST136 - American Civilization II
- HIST125 - Women's History Survey: Experiences, Contributions and Debates
- HIST135 - American Civilization I
- HIST145 - African-American History I
- HIST146 - African-American History II
- HIST217 - Modern Latin American History

Ethical Reasoning and Action (E)

Complete ANY:

- ANTH205 - Culture and Personality
- BIOL108 - Human Biology
- COMP129 - Information Technology
- ENGL122 - English Composition: Writing and Research
- PHIL105 - Critical Thinking
- PHIL115 - Introduction to Philosophy
- PHIL227 - Introduction to Ethics
- PHIL228 - Social and Political Philosophy
- PSYC208 - Life Span Development
- PSYC226 - Adolescent Psychology
- HUMN111 - Intro to Social Justice in Humanities
- SPCH115 - Public Speaking

Sociology 100-Level Courses

- SOCI105 - Intercultural Communication: The Person and The Process
- SOCI101 - Principles of Sociology
- Untitled Course
- Untitled Course
- Untitled Course
- Untitled Course
- Untitled Course
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[illegible]

- [illegible]

- NETW191 - MCSE - Managing and Maintaining a Microsoft Windows Server 2008 Environment
- Untitled Course
- Untitled Course
- Untitled Course
- NETW190 - MCTS Guide to Microsoft Windows 7 Administering Microsoft Windows
- Untitled Course
- Untitled Course
- NETW152 - Virtual LANs and WANs/CCNA
- NETW151 - Router Internetworking/CCNA
- Untitled Course
- Untitled Course
- NETW125 - Introduction to Wireless
- NETW107 - Introduction to Security
- NETW106 - Introduction to Networking TCP/IP
- Untitled Course
- NETW111 - UNIX Network Administration II
- NETW110 - Introduction to UNIX Network Admin
- Untitled Course
- Untitled Course
- Untitled Course

- ## Foundational Studies Requirement in Computation

- MATH012 - Prealgebra, Part II
- MATH015 - Prealgebra

- ## Technological Competency (IT)

- COMP126 - Computer Logic and Design
- COMP128 - Fundamental of Programming
- COMP129 - Information Technology

- ## Foundational Studies Requirement in Reading

- READ092 - Introduction to College Reading II
- READ095 - Reading Analysis/ Study Skills

- ## Requirement Sets

General Education - Associate in Arts (A.A.)

Foundational Studies Requirement in Computation

General Education A.A. Degrees- testing

test

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