

Susquehanna University

2026-2027 Undergraduate Catalog

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Mission

Susquehanna University educates students for productive, creative and reflective lives of achievement, leadership and service in a diverse, dynamic and interdependent world.

Accreditation & Authorization

Susquehanna University is accredited by the Middle States Commission on Higher Education, 1007 North Orange Street, 4th Floor, MB No. 166, Wilmington, DE 19801.

All degree programs are authorized by the Pennsylvania Department of Education, Bureau of Postsecondary and Adult Education, Division of Higher Education, Access, and Equity, Pennsylvania Department of Education, 607 South Drive, 3rd Floor, Harrisburg, PA 17120.

In addition to institution-wide accreditation, specific university programs have met the standards of “specialized” accreditors. Susquehanna also maintains strategic partnerships with regional educational institutions to guarantee admission for graduates seeking to complete their bachelor’s degrees at the university as well as programs which offer pathways to earning dual degrees through post-graduate affiliate agreements.

As an accredited institution, Susquehanna University is approved by the U.S. Department of Education to participate in Title IV Federal Student Aid programs and is a designated Yellow Ribbon School by the U.S. Department of Veterans Affairs.

For addition information related to Susquehanna’s accreditations, authorizations, and related matters, please visit our website at Accreditation - Susquehanna University (www.susqu.edu/about/accreditation).

National Council for State Authorization Reciprocity Agreements (NCSARA)

Susquehanna University is a member of the National Council for State Authorization Reciprocity Agreements (NC-SARA). NC-SARA authorizes Susquehanna to offer online courses in all SARA member states. Membership in NC-SARA does not mean compliance with state professional licensing requirements. If you are taking an online course at Susquehanna for that purpose, please check your respective state licensing requirements in order to ensure the course meets expectations. The refund policy can be found on this webpage:
www.susqu.edu/academics/summer-session/. Concerns and complaints can be filed with the Director of the Summer Session. Additional information about regulations governing compliance can be found at http://nc-sara.org/.

Nondiscrimination Statement

In administering its affairs, the university shall not discriminate against any person on the basis of race, color, religion, national or ethnic origin, ancestry, age, sex, sexual orientation, gender identity or expression, disability, veteran status, or any other legally protected status. Compliance inquiries may be directed to Jennifer Bucher, Vice President for Operations, Susquehanna University, Selinsgrove, PA 17870-1164, 570-372-4024, or the director of the Department of Education, Washington, D.C.

Susquehanna Promise: Four-Year Graduation Guarantee

Effective for first-year students entering in Fall 2027 or later, Susquehanna University guarantees that eligible first-time, full-time students can complete one undergraduate major within four academic years, provided they meet the terms and conditions below.

Terms and Conditions

To remain eligible for the Four-Year Graduation Guarantee, students must:

• **Enrollment and progress.** Maintain continuous full-time enrollment at Susquehanna University, as a student in good standing, during the fall and spring semesters for four academic years and complete the coursework and credits specified in the student’s four-year academic plan. To maintain eligibility as a student in good standing the student must comply with all financial obligations and meet all University requirements to be eligible to attend those academic years. The plan must provide a path to completing at least 124 semester hours and any additional credits required by the student’s major or program.

• **Academic performance.** Successfully complete each required class attempted with the minimum grades required by the University, major, or program. Students must also maintain at least a 2.00 cumulative GPA and at least a 2.00 GPA in the major. (Or higher than 2.00 if the major, department, or program requires a higher standard.)

• **Academic plan.** Follow the four-year academic plan developed and reviewed with the student’s academic advisor and reflected in the University’s advising and degree-planning systems. The plan may be revised by the student and advisor as appropriate, provided the revised plan continues to support graduation within four academic years.

• **Advising and registration.** Meet with the academic advisor at least once each semester and register during the student’s assigned registration period for the courses identified in the academic plan.

• **Sequenced degree requirements.** Complete all Central Curriculum, major, prerequisite, and other degree requirements according to the sequence established during conversations with your advisor. When applicable, students must complete Global Opportunities requirements in time to complete the required senior-year reflection and must begin any required two-course world language sequence early enough to complete both courses before graduation.

• **Major declaration.** Formally declare the intended major no later than the end of the sophomore year, or earlier when the major or program requires earlier declaration or sequencing to make four-year completion possible.

• **Timely notice of scheduling problems.** Notify the academic advisor within 48 hours after becoming aware that a required course is unavailable, that registration for a required course was unsuccessful, or that another scheduling issue may delay graduation. Notice should be provided early enough for the University to pursue an alternative before the applicable registration or drop/add period closes.

Scope of the Guarantee. The guarantee applies to completion of one undergraduate major. It does not guarantee completion of a second major, minor, certificate, concentration, teaching certification added to a non-education major, honors designation, or other optional academic credential within four years unless those requirements are incorporated into the approved four-year academic plan and can be completed without extending the student’s time to degree.

Changes that may affect eligibility. A student may lose eligibility if the student changes majors or programs after the point at which the new program can reasonably be completed within the remaining four-year period; fails, withdraws from, or does not complete a required course in the planned sequence; does not follow advising or registration requirements; takes a leave of absence or is subject to disciplinary action resulting in a suspension or other action effecting their eligibility to attend; or otherwise departs from the approved academic plan in a way that prevents four-year completion. The guarantee may not apply if there is an act of God or other circumstance that prevents the University from operating for a period of time. A major or program change does not automatically end eligibility if the advisor and University determine that a revised four-year plan remains feasible.

University Commitment

If an eligible student satisfies the terms and conditions of the Four-Year Graduation Guarantee but is unable to complete the guaranteed major within four academic years because required coursework was not available or could not be scheduled, the student can take, tuition-free, the additional required course or courses from Susquehanna that needed to graduate with that major.

The guarantee applies to tuition for the remaining required coursework only. It does not include room, board, fees, travel expenses, books, supplies, or other costs of attendance.

Other University tuition policies. Students receiving employee tuition benefits or participating in another special tuition program remain subject to the terms and eligibility rules of those programs. If another University tuition policy conflicts with this guarantee, the applicable University policy will govern unless the University expressly provides otherwise.

Process if Student is Staying Past Four Years and Wishes to Apply for Tuition-Free Courses

If the student believes they met all the terms and conditions and wishes to apply for tuition free courses, they will submit an email to the provost's office detailing the basis for the appeal.

Financial Responsibility

Susquehanna University reserves the right to change the method or mode of academic instruction for courses, e.g., online, in person, hybrid, etc., without prior notice, including courses in which the student is pre-registered (prior to the start of a term) or during a term that is already in progress. The university may make other adjustments to its academic program, including closing the campus, where there is a need to do so, such as a pandemic, a national emergency, a national disaster and the like. Students enrolling, currently enrolled and/or formerly enrolled at Susquehanna University ("Susquehanna") are legally responsible to pay all tuition and fees assessed to their student account by the published due date as well as any additional costs or expenses related to their enrollment at Susquehanna regardless of the method or mode of academic instruction. In the event the method or mode of academic instruction or academic program changes during the academic year, all currently enrolled Susquehanna students and/or formerly enrolled at the university remain legally responsible to pay all tuition and fees assessed to their student account by the published due date as well as any additional costs or expenses related to their enrollment at Susquehanna.

Catalog Information

This catalog is not to be considered an offer to enter into a contract or a contractual agreement between the university and the student or between the professor and the student. While frequent changes are not probable, the administration reserves the right to make any changes it deems necessary and acknowledges that under certain circumstances special activities of the university or part of the university community might impinge upon the normal academic schedule. All students are responsible for adherence to the university's rules and procedures, whether published in this catalog, the Student Handbook or other official media.

Key to Abbreviations

CC = Central Curriculum
GPA = grade point average
S = Satisfactory
SH = semester hours
U = Unsatisfactory

Elements of a Susquehanna Education

There are three major elements of coursework at Susquehanna:

The Central Curriculum forms the broad liberal arts base in preparation for specialized study in any field. Central Curriculum courses are spread over four years and total about 40 percent of the graduation requirements.

Major programs build on the Central Curriculum foundation and usually total one-third of courses taken. Majors are designed to provide a broad introduction to the theory and practice of each field; students may choose departmental, interdisciplinary or self-designed majors. Each student must complete a capstone course as part of the major program, with a grade of C- or higher.

Electives typically make up the remaining coursework. These may be used to pursue one or more minors or a second major, to work in an internship, or simply to develop individual interests that may expand career options.

Susquehanna University Learning Goals

The learning goals of Susquehanna University articulate a vision of our students as confident, liberally educated, and committed to multidisciplinary education as global citizens, working within and across their academic disciplines. They productively gather and apply all facets of their educational experience to personally and professionally frame their vocations, areas of study, and lives, demonstrating achievement, leadership, and service in the world.

1) Susquehanna University students investigate the creative, natural, social, economic, and cultural forces that shape the world, and gain familiarity with:

a) the richness of human thought and expression across time and into the present;
b) the ongoing ways humans seek to explain the natural world; and
c) the breadth and depth of global human interactions, including belief systems, values, practices, and ways of organizing life.

2) Susquehanna University students develop an integrated set of intellectual skills that empower them to:

a) think creatively and critically to analyze issues, consider solutions, and make effective decisions;
b) incorporate methods of analysis from a broad range of academic disciplines to understand and explore conflict, and solve problems;
c) engage effectively with others through gathering, evaluating, synthesizing, and articulating information to generate informed opinions and arguments through multiple avenues; and
d) work effectively within a team, function with professional and digital competency, and understand and navigate problems that often elicit complex and ambiguous responses.

3) Susquehanna University students develop a mature, integrated sense of themselves through a holistic liberal arts experience, including:

a) appreciating the limits and contexts of their own experience, and the ability to value the experiences of others with diverse backgrounds;
b) critically examining their strengths and struggles, and realistically evaluating the potential positive or negative impact of inputs and activities; and
c) committing to ongoing development of one's intellectual, physical, and spiritual life.

4) Susquehanna University graduates develop and internalize their own integrated vision of the common good, and how to pursue it in the context of their lives, including:

a) pursuing sustainable relationships with their natural and social environments;
b) continued growth to discern and pursue improvement in themselves, their communities, and the world;
c) understanding and valuing both the universality and diversity of human experience; and
d) willingness to strive for responsible personal and interpersonal actions that serve the greater good.

Overview of the Central Curriculum

The Central Curriculum contains five complementary sections, each containing multiple requirements and focused on specific elements of the University Learning Goals (ULG).

Section 1. Richness of Thought

- 4 semester hours in Analytical Thought
- 4 semester hours in Literary Expression
- 4 semester hours in Artistic Expression

Among the goals of the Richness of Thought area are teaching students to debate the definitions of literary text, canon(s), and the relationship between them; to abstract a problem into a symbolic or mathematical model or framework; and to articulate an understanding of the ways in which art can serve as a medium for recognizing and understanding the diversities of human experiences. These requirements are designed to address ULG#1.

Section 2. Natural World

- 4 semester hours in Scientific Explanations

Also focusing primarily on ULG #1, students completing the Natural World requirement will be able to describe the philosophical underpinnings of science as it is used to explain the natural world and to evaluate the validity of information presented as science.

Section 3. Human Interactions

- 4 semester hours in Social Interactions
- 4 semester hours in Historical Perspectives
- 4 semester hours in Ethics
- 4 semester hours in EthicsIntensive courses
- 0–8 semester hours (depending on placement) in World Language courses*

**The policy related to accommodations for the World Languages requirement may be found under "Services for Students with Disabilities" in this catalog. The policy related to determining placement for World Languages courses may be found under the "Language Placement" in this catalog.*

The objectives of this area of the Central Curriculum lead students to demonstrate an understanding and evaluate how the methods of analysis from the social sciences are used to identify issues and explore conflict within a contemporary context; to describe the way past events and trends are relevant to the present; to articulate the implications of ethical questions for human life; and to compare and contrast another language and culture with their own. These learning objectives support ULGs #1 and 4.

Section 4. Intellectual Skills

Designed to address primarily ULG #2, this set of requirements focuses on developing and strengthening an integrated set of intellectual skills that will enable students to address complex problems from a variety of approaches. Elements of these requirements also focus on ULGs #3 and 4, personal and ethical development.

- 4 semester hours in First-Year Seminar
- 8 semester hours in Writing Intensive courses

Through this area of the Central Curriculum students should learn core intellectual skills such as developing, strengthening, and marshaling an argument for written expression.

Section 5. Connections

This group of requirements primarily supports ULGs #3 and 4, promoting a mature understanding of self and one's relationship to others.

- 4 semester hours in an Interdisciplinary course
- 4 semester hours in Diversity
- 4 semester hours in Diversity Intensive courses
- A Cross-Cultural experience that may or may not bear credit, depending on the specific experience selected by the student
- 2 semester hours total in a Cross-Cultural preparation course and a Cross-Cultural reflection course, the latter to be taken after the student returns from the Cross-Cultural experience; or a 4 SH GOEX course which includes embedded preparatory and reflective elements.

Study in this area of the Central Curriculum will lead students to have a fundamental understanding of multiple theories and principles of diversity, to demonstrate a complex understanding of culture, to reflect on their personal growth, social responsibility, and the value of active participation in human society, and to show an appreciation of how different academic disciplines can supplement and reinforce one another.

Catalog year for Central Curriculum requirements

Students follow the Central Curriculum requirements in effect during the academic year in which they matriculate at Susquehanna University regardless of subsequent changes to majors and/or minors. Students affected by significant changes in the Central Curriculum requirements will be advised on a case-by-case basis regarding completion.

Students who wish to adopt the Central Curriculum requirements for a subsequent catalog year may submit a request to the Registrar's Office, which will consult with the Curriculum Committee as needed. However, students may not adopt the requirements for a prior catalog year.

Requests for substitutions to existing Central Curriculum requirements should be submitted to University Curriculum Committee which governs Central Curriculum requirements.

Details of the Central Curriculum Requirements

Richness of Thought

A major emphasis of the Central Curriculum is to bring students into contact with the richness and depth of various modes of human thought, including analytical thought, literary expression, and artistic expression.

Analytical Thought

Analytical thinking is a valuable tool for both problem solving and for exploring, understanding, and evaluating information and ideas. It involves breaking apart ideas, arguments, or problems into components, determining the significance of each component relative to the others, and using these insights to synthesize a solution or conclusion. Significance of the components is explored using formal and informal processes such as abstraction, deduction, pattern recognition, or symbolic manipulation. Courses that satisfy the analytical thinking requirement will focus on one or more of these processes, in addition to the technique of translating problem components to or from an abstract model and interpreting the results of such problem-solving.

Learning goals:

1. Abstract a problem into a symbolic or mathematical model or framework. (ULG 2a)
2. Interpret such a model or framework in terms of a real-world construct. (ULG 1b, 2a)
3. Reason from precisely stated principles using deductive methods and draw valid conclusions. (ULG 2c)
4. Recognize, manipulate, and reason from or about abstract patterns. (ULG 2b)

Artistic Expression

The fine and performing arts at once reflect and influence the world around us. A critical understanding and appreciation of significant expressions from historical and contemporary artists are therefore essential. Both aid in developing an intellectual and emotional awareness of the internal and external forces that shape our shared and varying complex human experience. The learning goals for artistic expression courses are applicable for all students, whether they identify as practitioners, critics, or receivers of the art under investigation.

Learning goals:

1. Demonstrate an understanding of the essential elements and creative processes that constitute the art(s) under examination. (ULG 1a, 1b)
2. Articulate an understanding of the ways in which art can serve as a medium for recognizing and understanding the diversities of human experiences and the relationship between art and its audiences. (ULG 2c, ULG 3a)
3. Articulate an informed understanding of the art(s) under examination by identifying aesthetic traditions/inquiries and cultural interactions associated with the discipline. (ULG 3a, 4c)

Literary Expression

A Literary Expression course helps students understand and engage with written texts; fosters their participation with creative and scholarly interpretive communities; and trains them to examine the relationship of texts to larger socio- political power structures. Through the study of a wide range of literary texts and through creative practice, students investigate and analyze an array of approaches to producing, circulating, and/or interpreting literary texts that are or have been relevant to scholars, creative writers, publishers, editors, public intellectuals, activists, and educators. Students are thereby introduced to the ways that reader reception is shaped by a variety of socio-cultural and epistemological factors: subjectivity, identity, diversity, economic production, social and environmental justice and injustice, and the ethics of representation.

Learning Goals:

1. Explain or demonstrate ways that literary texts generate meaning by considering: the creative process (issues of form and craft), analytical frames (issues of interpretation and critique), modes of dissemination (issues of distribution and technology), and/or reputation (issues ofsocial and cultural capital). (ULG 1a, 2b)
2. Critically and/or creatively investigate how a literary text reflects, even as it helps to construct, its relation to socio-political power structures, by referencing race, class, gender expression, sexual orientation, ethnicity, age, ability, nationality, religion, science, nature, and/or technology. (ULG 2b)
3. Critically and/or creatively engage with the aesthetic traditions, conventions, canons, and/or assumptions associated with understanding written texts as works of art. (ULG 1a)

Natural World

The Scientific Exploration of the natural world is essential to contemporary life. The Central Curriculum emphasizes that all students need coursework in the sciences.

Scientific Explanations

The scientific explanations requirement is designed to enable students to understand science as a way of thinking about the natural world. These courses emphasize the use of scientific investigation to explore questions about the natural world and focus on science as a human endeavor with social and ethical implications. A sound understanding of scientific principles is critical to being able to make informed decisions as an individual and as a citizen.

Learning Goals:

1. Demonstrate knowledge of fundamental components (e.g., nomenclature, classification, methods, principles, and relevant technologies) of the scientific discipline(s)studied. (ULG 1a, 1b)
2. Summarize how theories are proposed, revised, tested, and accepted by the scientific community. (ULG 1b, 2a)
3. Apply one or more methods used by science in a research setting (whether in the field, laboratory, or a combination of both) to gather and evaluate information for analyzing and solving problems. (ULG 2c)
4. Explore how science intersects with the broader society, including topics such as ethical decision making, public policy, and sustainability. (ULG 4d)

Human Interactions

The objectives of this area of the Central Curriculum include leading students to demonstrate an understanding of the methods of analysis from the social sciences are used to identify issues and explore conflict within a contemporary context; to describe the way past events and trends are relevant to the present; to articulate the implications of ethical questions for human life; and to compare and contrast another language and culture with their own.

Social Interactions

Interpreting social interactions is a process in which the practices of people are scientifically observed and are assessed in light of how subjective experiences affect those practices. The Social Interactions requirement enables students to understand sustained, structured, and informal engagement with culture and the social environment. Examining individual behaviors and institutional forces through methods of social science analysis, students are offered opportunities to investigate societal conflict and arrangements through prevailing social theories and to explore the social construction of knowledge.

Learning goals:

1. Identify and define ways in which social interactions between individuals and/or between individuals and institutions help shape the world around them. (ULG 1c, 2b)
2. Demonstrate an understanding and evaluate how the methods of analysis from the social sciences are used to identify issues and explore conflict within a contemporary context. (ULG 2b)
3. Give examples of the ways in which the construction of knowledge in the social sciences is based upon prevailing theories and experiences. (ULG 1b, 1c)

Historical Perspectives

Understanding how past events, attitudes and perceptions impact our current viewpoints and shape our future is an essential intellectual viewpoint that helps students deal responsibly with who they are. The Historical Perspectives requirement focuses on shaping students' skills for understanding and 'doing' history as a way of thinking about our world.

Learning goals:

1. Understand how historians acquire and evaluate information, including how they
   a. Differentiate between primary and secondary sources and utilize both these sources to analyze historical events. (ULG 1b, 1c)
   b. Recognize various categories(written, oral, visual, performative, material) of both primary and secondary sources. (ULG 1b, 1c)
2. Describe the way past events and trends are relevant to the present. (ULG 1a)
3. Analyze changes overtime by tracing connections through/via chronological narratives. (ULG 1a)
4. Articulate the ways in which diverse historical actors shape and are shaped by historical events. (ULG 2a)
5. Recognize that various types and perspectives of historical analysis exist. (ULG 2b)

Ethics

The Central Curriculum Ethics requirement provides a general introductory course on normative ethics within a theoretical and/or applied context. These courses engage students in philosophical and/or religious ethics, such as outcome-based, rule-based, or character-based approaches.

Learning goals:

1. Recognize the various dimensions of ethical questions and their implications for human life. (ULG 1a, 3b, 4a, 4b, 4c, 4d)
2. Demonstrate an ability to use at least one moral principle or theory to construct or assess an ethical argument. (ULG 2a, 2b)
3. Develop a reasoned argument for an ethical position and defend it from possible objections. (ULG 2a)
4. Understand the concept of moral standing and its significance for ethical questions. (ULG 2a, 4a)

Ethics Intensive

The Central Curriculum Ethics Intensive Course serves the purpose of teaching students the critical importance of ethical reasoning in a given field of inquiry or realm of human practice. Examples might include medical ethics, business ethics, environmental ethics, research ethics, ethics of clinical psychology, accounting ethics, etc. Foundations laid in Ethics courses are critically applied here, so it is advisable for students to take this requirement following completion of the Ethics course requirement.

Learning goals:

1. Demonstrate an understanding of ethical reasoning as it relates to specific course content. (ULG 1c, 2b)
2. Critically analyze ethical positions or standards related to course content. (ULG 2b)

World Languages

The World Language requirement is designed to give students a foothold in the broader world by equipping them with the basic tools to make human connections and explore the richness of world cultures in a language other than English. A second language is a vehicle for appreciating diversity and exploring culture both in the U.S. and abroad, and it promotes global citizenship, an underlying objective of the Cross-Cultural Requirement. It fosters the exchange of ideas and perspectives in cultural contexts, and it hones analytical and other intellectual skills applicable to all areas of learning.

Learning Goals:

1. Demonstrate an ability to understand writing used for everyday situations, needs, and experiences, including cultural phenomena and practices. (UGL 1c, 3a, 4c)
2. Demonstrate an ability to understand spoken language relating to everyday situations, needs, and experiences, including cultural phenomena and practices. (UGL 1c, 3a, 4c)
3. Demonstrate an ability to exchange information in spoken conversations relating to everyday situations, needs, and experiences. (2c)
4. Demonstrate an ability to write about everyday situations, needs, and experiences. (2c)

Completion through the 102 level (or its equivalent) of any language other than English fulfills this requirement.*

** The policy related to accommodations for the World Languages requirement may be found under "Services for Students with Disabilities" in this catalog. The policy related to determining placement for World Languages courses may be found under the "Language Placement" in this catalog.*

Intellectual Skills

College graduates enter an increasingly competitive global marketplace that demands competency in several diverse intellectual skills. In addition, there is an increasing need to bridge and merge disciplines. These needs are addressed in several intensive requirements and the interdisciplinary course.

First-Year Seminar (FYSE)

First-Year Seminar is an integral component of students' first-year experience, focusing on a topic chosen by each instructor. Students use writing to explore and connect the academic content of the course topic to foster their intellectual and personal development. Additionally, it provides students with vocabulary and strategies for multiple writing tasks.

First-Year Seminar emphasizes how writing skills can transfer to other classes.

Therefore, first-year students learn the terms, methods, and goals of academic writing. It familiarizes students with writing tools, skills, and knowledge. It encourages students to develop their ideas, explore and support them with evidence, logically marshal that evidence, and express themselves in context-appropriate styles.

Learning goals:

1. Cultivate social and intellectual habits required to thrive in new academic and social environments (ULG 3b)
2. Demonstrate critical thinking and reading skills to gather, evaluate, and incorporate information from sources (ULG 2a, 2B); (ULG 2a)
3. Employ writing strategies appropriate to the audience and subject matter (ULG 1a)
4. Compose across at least two forms of writing to explore how writing conventions shape and are shaped by readers' and writers' practices, purposes, and values. (ULG 1a)
5. Critically reflect on transferring and adapting intellectual and writing skills and knowledge from one context to another. (ULG 3c)

Writing Intensive

The purpose of Writing Intensive courses is to help students further hone their writing skills. These courses are often part of a student's major. In keeping with best practices in Writing Across the Curriculum studies and in writing studies, we promote a genre-informed teaching for-transfer approach to Writing Intensive courses. Research demonstrates that providing explicit instruction on genre and reflection better prepares students to exercise writing skills across contexts.

Students first encounter "genre" and reflection in FYSE-100 or HONS-100. Writing Intensive courses can expand students' understanding of those terms and practices.

Learning goals:

1. Employ rhetorical strategies appropriate for class assignments and discipline. (ULG 1b, 1c)
2. Learn from and respond to criticism of rhetorical, organizational, and genre- based strategies in their own writing. (ULG 2a, 2c)

3. Compose in multiple forms to explore the ways genre conventions shape and are shaped by readers' and writers' goals or values. (ULG 2c)

Connections

Study in this area of the Central Curriculum should lead students to have a fundamental understanding of multiple theories and principles of diversity, to demonstrate a complex understanding of culture, and to reflect on their personal growth, social responsibility, and the value of active participation in human society.

Interdisciplinary Course

The Interdisciplinary course requirement addresses the ULGs' emphasis on the "integration" of learning. Such courses enable students to cross the lines of academic disciplines to integrate their learning and investigate complex problems relevant to our diverse, dynamic, and interdependent world. Sophomore standing is required for all interdisciplinary courses to provide students with a sufficient academic foundation to engage in interdisciplinary analysis.

Learning goals:

1. Critically and/or creatively engage with the course topic(s) from the perspectives of at least two academic disciplines. (ULG 2a, 2b)
2. Evaluate how different academic disciplines complement and reinforce one another. (ULG 2a, 2b)
3. Appraise how interdisciplinary study enhanced the critical and/or creative engagement with the course topic(s). (ULG 2c)

Diversity

Diversity courses teach students about the richness of human diversity. They also expose, critique, and confront historical and contemporary sources of social and cultural conflict. Using different frameworks and theories, diversity courses teach students how to investigate issues related to human difference, including how a variety of structures intersect with their own respective experiences.

Learning goals:

1. Be able to use established frameworks and theories to recognize that diversity includes but is not limited to intersections among race, gender, culture, ethnicity, age, geographic origin, ability, social and economic class, sexuality, religion, and nationality. (ULG 1a, 4c)
2. Be able to question and critique how power and privilege shape understandings of diversity and identity, their own and others.' (ULG 3a, 3b)

Diversity Intensive

Diversity intensive courses illuminate how human diversity is conceptualized and actualized in a discipline specific context. Positions of race, gender, culture, ethnicity, age, geographic origin, ability, social and economic class, sexuality, religion, and nationality all play a role in how power and privilege function in our society. This relationship of various human conditions to systemic realities will be an underlying theme or thread throughout the course.

Learning goals:

1. Be able to integrate diverse discipline-related perspectives on diversity while addressing specific course content. (ULG 1c, 4c)
2. Recognize how diversity expands knowledge and equity within the discipline, and how inequalities of diverse human experiences affect the production of knowledge and the practices of this discipline. (ULG 2b)

Global Opportunities(GO) Cross-Cultural Requirement

In recognition of our University's Learning Goals (ULG) that focus on global citizenship, our Global Opportunities (GO) Cross-Cultural Requirement cultivates in students a stronger understanding and appreciation for the diverse perspectives, traditions, and values that shape our world. The requirement also fosters cultural competence and an ability to navigate and engage with people from diverse cultures and backgrounds. By participating in cross-cultural courses and experiences, students gain valuable insight into the complexities of human diversity and develop the skills needed to thrive in intercultural environments.

Students may complete an approved local, national, or international off-campus experience that immerses them in cultural experiences that are different from their own. The off-campus experience does not need to be credit-bearing and may be fulfilled through one of the following programs: GO Short, GO Long, or GO Your Way. All students who fulfill this requirement through an off-campus experience must complete the corresponding 1 SH preparatory and 1 SH reflection courses.

Alternatively, students may fulfill this requirement through a range of 4 SH courses that employ pedagogical techniques that ensure an immersive and comprehensive exploration of cultural dynamics within the context of the underlying course content. Although the content of individual sections will vary, all students who complete a course-based option will interact with members of another culture, reflect on their own cultural assumptions and biases, and build an openness to alternative perspectives.

Completing the cross-cultural requirement supports students' development into individuals equipped with the knowledge, skills, and attitudes necessary for success in an increasingly "diverse, dynamic, and interdependent world." This cross-cultural requirement enhances their academic and personal development, preparing them to navigate the complexities of a globalized society and contribute meaningfully to a world characterized by mutual understanding and respect.

Learning goals:

Through completion of the cross-cultural immersive experience (either through an off-campus experience or a course-based option that includes pedagogies that enable students to interact with members of another culture), students demonstrate a complex understanding of culture that enables them to:

1. Recognize and reflect on their own culture, their ethnocentric assumptions, and differences/similarities between cultures. (ULG 4c)
2. Recognize and articulate ways that their own identities and actions may be understood differently in various cultural settings. (ULG 1c, 3a)
3. Describe how their cross-cultural experiences help them understand issues in different cultural contexts. (ULG 3b, 4b)
4. Articulate how their own intercultural growth can enrich their personal development, academic development, and career readiness. (ULG 3c, 4d)

Cross Counting Policy

Courses that fulfill Central Curriculum requirements can also count toward majors and minors. Central Curriculum course with the appropriate designation can also count toward one or two Intensive requirements. For example, PHIL-320 *Moral Psychology* fulfills the Interdisciplinary requirement while also meeting the Ethics Intensive and Writing Intensive requirements.

Additionally, certain courses may satisfy multiple other requirements simultaneously:

- **Diversity courses**: These can overlap with one other Central Curriculum requirement, combining both into a single course (e.g., SOCI-101 *Principles of Sociology* satisfies both the Diversity and Social Interactions requirements).
- **Interdisciplinary courses**: These can also overlap with one other Central Curriculum requirement combining both into a single course (e.g., INTD-320 *The Sciences* satisfies both the Scientific Explanations and Interdisciplinary requirements).
- **First-Year Seminar courses**: These may count towards one other Central Curriculum requirement, except Interdisciplinary, which requires second-year standing.

Capstone Courses

In addition to the Central Curriculum requirements, students must complete at least two semester hours in a capstone course, with a grade of C- or higher, as a part of the major program. The capstone is designed to enrich students' academic experience by allowing them to demonstrate what has been learned through a concentrated course of study at Susquehanna. This course cannot be transferred from another institution.

Cross-Cultural/Global Opportunities (GO) Programs Policies and Procedures

Susquehanna University offers a wide range of programs around the world to suit student interests, fields of study and modern language preparation. The Global Opportunities (GO) programs fit into several categories: GO Long, GO Short, GO Your Way, and GO Virtual Exchange. Most students choose an approved Susquehanna GO Short or GO Long program. There are many GO Short programs led by Susquehanna faculty and staff. They generally last two to four weeks during winter or summer break. GO Long programs are approved semester programs that are administered by Susquehanna University or in close cooperation with study-away partners. GO Your Way programs offer an alternative for students wanting to attend a non-SU administered program over Summer or Winter Break. GO Virtual Exchange courses are offered on campus during the regular semester or full summer session. Other proposed options that are consistent with the policies below may be considered.

At a minimum, to be eligible, students must be in good academic standing and may not select a travel-based GO program if they are on disciplinary probation. Susquehanna students normally do not study away before they have completed three semesters on campus. Specific programs may have additional requirements. Semester and short-term programs administered by Susquehanna University require that students sign a statement of responsibility upon acceptance into the program. By signing, participants agree that if they withdraw from the program, any Susquehanna financial aid applied to their account will be withdrawn, and they will still be billed for costs that have been incurred for them, such as airfare, program housing, etc. and they will be billed a withdrawal fee. This may result in responsibility for the full cost of the program, regardless of the amount of aid they may have initially been awarded.

Students who receive need-based aid to fulfill the cross-cultural requirement on a short-term program will see a reduction in Susquehanna aid available for subsequent semester study away. Students who have received Susquehanna aid for a semester-length program will not be eligible for need-based aid to participate in subsequent short-term programs.

Susquehanna University accepts study-away credit for transfer only from programs covered in these policies. The university reserves the right to change these policies without notice.

Cross-Cultural Requirements

The Susquehanna University cross-cultural requirement includes three course components: preparation, the cross-cultural experience and reflection. The structure of these components may vary between different GO options. Students accepted to a GO program are automatically registered in all course sections or components (OFFP, OFFC or OFFS, and OFFR; or GOEX) required for participation.

Semester Programs (GO Long)

Susquehanna GO Long programs are found on the Susquehanna study away Web page. Students submit applications for all semester programs to the Office of Global Programs by the deadlines specified on this site. Approval for courses not already on the pre-approved course list to fulfill major, minor or central curriculum requirements must be secured in advance. Students also must complete additional application forms, pass the appropriate GO preparatory course and attend additional required meetings before leaving campus.

Students will be charged Susquehanna University tuition, activity, health and study-away administrative fees during the semester in which they study off campus in an approved Susquehanna GO Long program. Students will be billed by Susquehanna University for the study away program room fee (and board when applicable). Susquehanna tuition covers only the basic tuition costs of study away programs. Some programs have additional fees, including some additional course fees, which are not covered by SU tuition and which will be billed directly to the student by the program. In addition, each student may, upon acceptance to a study-away program, be required to pay a deposit directly to the program. In order for the student to participate in study away, the university requires that all accounts be current.

Students in Susquehanna GO Long study-away programs who are U.S. citizens or permanent residents will be eligible for most forms of financial aid and scholarships, ordinarily limited to one semester of off-campus study. To access need-based financial aid for off-campus study, students must:

- Complete the standard financial aid application, meeting university deadlines;
- Meet or exceed the required grade point average and satisfactory academic progress requirements for renewal of scholarship assistance and/or need-based financial aid.

Most forms of Susquehanna-sponsored scholarship assistance will continue to be available to students in approved Susquehanna GO Long programs. Exceptions include all tuition exchange and tuition remission awards, which may only be used for study in Susquehanna-administered study-away programs, including SWSB London and all “SU in” designated programs (SU in Prague: Charles University, SU in China: Macau, SU in New Zealand: University of Waikato, etc.).

Occasionally students may find that for specific academic reasons they prefer to study off campus at a program not on the list of approved Susquehanna GO Long programs. Some students may choose to spend a second semester on a Susquehanna GO Long program. In either case, no Susquehanna aid is available; however, state and federal aid may continue to be available. Credit may only be transferred from these programs for courses pre-approved in advance. Fees vary by program, and there is an additional administrative fee.

Short-Term Programs (GO Short)

Students planning short-term study away typically choose from the wide variety of Susquehanna GO Short programs (list available on the Susquehanna study away Web page and in the Special Programs section of the catalog).

Students are not permitted to participate in online courses during the duration of the travel portion of the GO Short program.

Need-based aid may be available for students attending a Susquehanna GO Short program to fulfill the Cross-Cultural requirement. To access need-based financial aid for off-campus study, students must:

- Complete the standard financial aid application, meeting university deadlines;
- Meet or exceed the required grade point average and satisfactory academic progress requirements for renewal of scholarship assistance and/or need-based financial aid.
- NOTE: Most forms of Susquehanna-sponsored scholarship assistance (non-need-based aid) are not available to students on Susquehanna GO Short programs because these programs take place outside the traditional academic calendar.

Students will be charged specific program fees for participation in any Susquehanna GO Short program. These fees vary according to the location, duration and type of program. In order for the student to participate in study away, the university requires that all accounts be current.

Students must complete required paperwork and must provide a copy of their passport information page by the posted deadlines or they will be dropped from the program and charged for any applicable withdrawal fees.

Short-Term Programs (GO Your Way)

Students may apply by the posted deadlines for approval to participate in a non-SU short-term study away program or a self-designed cross-cultural experience that can count for the cross-cultural requirement during winter or summer break. Examples include international internships, volunteer service, independent study in a cross-cultural setting and participation in a non-SU short-term study away program. Students selecting a program in which they will earn academic credit must complete the GO Transfer course pre-approval process described above in the GO Long section. Students also must pass the appropriate GO preparatory course, as well as complete additional application materials and required waiver and other forms before leaving campus. Guidelines for proposing a self-designed experience are available in the Global Opportunities Program Office.

Limited need-based aid may be available to attend non-SU short-term programs. To access need-based financial aid for off-campus study, students must:

- Complete the standard financial aid application, meeting university deadlines;
- Meet or exceed the required grade point average and satisfactory academic progress requirements for renewal of scholarship assistance and/or need-based financial aid.
- NOTE: Most forms of SU-sponsored scholarship assistance (non-need-based aid) are not available to students on SU GO Short programs because these programs take place outside the traditional academic calendar.

GO Your Way students are billed a study-away administrative fee. Most students participating in non-SU GO Your Way programs will be billed for GO Your Way fees by Susquehanna. Students on some GO Your Way programs will pay all deposits and fees directly to that program, as indicated in their acceptance letter. Students completing self-designed cross-cultural experiences pay all expenses directly as needed.

GO Virtual Exchange (GOEX)

Virtual exchange courses are offered on campus during the regular semester or full summer session and are available by application to students with Junior or Senior status.

Students applying to a virtual exchange 4-SH course will choose a GOEX section listed on the Susquehanna study away Web page (individual sections are not listed separately in the course catalog). Students are responsible for coordinating their academic schedule around the GO course as well as obtaining additional approval for course overload policies if applicable. GO courses will have additional required cultural immersion engagement outside of regular course times.

Students will be charged specific program fees for participation in a GO Virtual Exchange course. In order for the student to participate in the cross-cultural program, the university requires that all accounts be current.

Students taking the 4-SH course may have access to limited need-based aid. To access need-based financial aid for this purpose, students must:

- Complete the standard financial aid application, meeting university deadlines;
- Meet or exceed the required grade point average and satisfactory academic progress requirements for renewal of scholarship assistance and/or need-based financial aid.

NOTE: 4-SH summer session GO courses are not eligible for institutional financial aid. Tuition remission/tuition exchange does not cover any virtual exchange charges. Students may utilize any eligible and available federal financial aid to pay for the cost of the virtual exchange course. They are not charged summer course fees but rather the virtual exchange course fee; summer virtual exchange courses are not eligible for Susquehanna need-based aid.

School of the Arts

The School of Arts offers majors and minors that allow for the practice and cultivation of creative skill and imagination in visual and performing formats. Majors in this School are offered by the Departments of Art and Design, English & Creative Writing, Music, and Theatre. Classes build students' technical skills, expressive fluency, and knowledge of the traditions and works of art within each specific major. They also use a combination of studio and traditional classroom experiences to build students' critical thinking, collaborative abilities, written and oral communication, and professional discipline. Through rigorous study of history, theory, and practice, students prepare for careers as artists, practitioners, teachers, and scholars. Traditional outcomes for majors within the school include professional employment opportunities in a wide range of fields, admittance to top graduate schools, and a variety of postgraduate opportunities.

School of Humanities

The School of Humanities offers majors and minors that study human societies and their cultures, including inquiry into human values and human expression. Majors in this School span traditional liberal arts and professional programs, and they are offered by the Departments of Communications, Education, English & Creative Writing, History, Languages, Literatures, and Cultures, Philosophy, and Religious Studies. Classes in these majors and minors build students' critical thinking, written and oral communication, and professional discipline using experiential learning, collaboration, and application of theory to meet rigorous academic expectations and to prepare for work in a variety of fields after graduation. Traditional outcomes for majors within the school include professional employment opportunities, admittance to top graduate schools and professional schools (law, medicine or related fields), and a variety of postgraduate opportunities.

School of Natural & Social Sciences

The School of Natural & Social Sciences offers majors and minors in the Departments of Biology, Chemistry, Earth & Environmental Sciences, Mathematics and Computer Science, Physics, Political Science, Psychology, and Sociology and Anthropology. Interdisciplinary majors in criminal justice, data science, ecology, environmental studies, exercise science, international studies, legal studies, neuroscience, and public policy allow students to study topics that cross traditional disciplinary boundaries. Our 3+2 joint engineering programs allow students to earn a bachelor's degree from Susquehanna University in chemistry, computer science, mathematics, or physics and an engineering degree from one of three partner programs. Secondary education certification is available for majors in biology, mathematics, physics, political science, psychology, and sociology. Classes across the school incorporate experiential learning, including hands-on lab and field components, simulations, field trips, and internship opportunities. Majors within the school typically require a senior capstone independent research project or internship experience. Natural & Social Sciences graduates pursue a wide variety of pathways after graduation including employment in the for-profit, non-profit, and government sectors, and graduate or professional school.

Sigmund Weis School of Business

The Degree Programs

The Sigmund Weis School of Business offers the Bachelor of Science degree with majors in accounting, economics, business analytics, entrepreneurship and corporate innovation, finance, international business, luxury brand management & marketing, management, marketing, professional sales, and real estate. All majors in the Sigmund Weis School complete the university Central Curriculum courses, the business foundation courses and courses required for the major. Students who do not enter the university as majors in business may transfer to the Sigmund Weis School from other majors within the university. For students transferring within the university, the requirements for consideration of admission to the Sigmund Weis School are good academic standing and approval of the appropriate department head.

The academic programs for the first two years are very similar for each of the majors. This allows students in the Sigmund Weis School to wait until their second year to decide on their majors, or to switch between different business majors, though many choose their majors earlier.

Prerequisite Requirements

A student must earn a grade of C- or better in all listed prerequisite courses.

Internship

An internship is an experiential opportunity that may be undertaken in a business, government or nonprofit organization. An internship can be completed either for academic credit or not for academic credit. Enrolling for internship credit includes coordination by a faculty member and by the host organization supervisor. Internships typically provide exposure to career options, a valuable frame of reference for coursework and, most important, an experience base that is a significant competitive advantage for graduates in seeking employment. Increasingly, employers use internships as extended interviews and restrict career-entry offers largely to the internship pool. The Sigmund Weis School strongly encourages an internship or equivalent work experience for all students before the senior year. Students may identify their own internship opportunities or request assistance from the Career Development Center. The school, through the Stein Fellowship Program, also offers international internship opportunities each summer; these cover all expenses and include a stipend.

The London Program

The Sigmund Weis School of Business offers a London program for Weis School majors and minors. Courses are taught by Sigmund Weis School faculty and by adjunct faculty from the London academic community. Fall or Spring semester students earn a full semester of Susquehanna University credit designed for the normal junior-level schedule including a four-credit internship. Students participating in the London Program complete a preparatory course during the semester before attending the London Program and a reflection course during the semester following the London Program to satisfy the University's cross-cultural requirements. Students apply via the Global Opportunities website in accordance with GO application deadlines.

Elective Courses for Non-Business Students

Many students whose major fields of study are not in business choose to take business courses as electives. The Sigmund Weis School of Business welcomes these students and suggests the following courses: ECON-105 Elements of Economics, ACCT-200 Financial Accounting, ACCT-210 Legal Environment, MGMT-202 Business Statistics, and MKTG-280 Marketing. Please note that all students must satisfy course prerequisites. Also, students who have not declared either a major or minor within the Weis School may not take more than 20 semester hours of courses from the departments of management and accounting without permission from the dean of the Sigmund Weis School.

Interdisciplinary Programs

Susquehanna University offers several interdisciplinary programs that facilitate learning across Susquehanna's schools and departments. These may be minors or additional areas of study. These programs emerge from the collaboration of several departments.

Academic Majors Offered at Susquehanna

School of the Arts

Bachelor of Arts

- Art History
- Creative Writing
- Graphic Design
- Music
- Studio Art, emphases in:
    - Painting and Drawing
    - Photography
- Theatre, emphases in:
    - Performance
    - Production and Design
    - Theatre Studies

Bachelor of Fine Arts

- Acting
- Graphic Design
- Theatre Management

Bachelor of Music

- Composition
- Music Education
- Performance

School of Humanities

Bachelor of Arts

- Communications, emphases in:
    - Advertising and Public Relations
    - Broadcasting
    - Communication Arts
    - Communication Studies
    - Journalism and Digital Content
    - Sports Media
- English - Literature
- English - Publishing & Editing
- English - Professional and Civic Writing
- French Studies
- German Studies
- History
- Philosophy
- Professional Sales
- Religious Studies
- Spanish Studies
- Studies in Early Education

Bachelor of Science

- Early Childhood Education (PreK-4)
- Special Education PreK-12

School of Natural & Social Sciences

Bachelor of Arts

- Anthropology
- Chemistry
- Chemistry 3+2 Pre-Engineering
- Chemistry 3+4 Pharmacy
- Computer Science
- Economics
- Legal Studies
- Mathematical Economics

- Mathematics
- Mathematics 3+2 Pre-Engineering
- Physics
- Political Science
- Psychology
- Sociology

Bachelor of Science

- Biochemistry
- Biochemistry 3+4 Pharmacy
- Biology
- Biomedical Sciences
- Chemical Physics
- Chemistry
- Chemistry 3+4 Pharmacy
- Chemistry 3+2 Pre-Engineering
- Chemistry-Management
- Computer Science
- Computer Science 3+2 Pre-Engineering
- Data Science
- Earth & Environmental Sciences
- Exercise Science
- Physics
- Physics 3+2 Pre-Engineering
- Psychology

Sigmund Weis School of Business

Bachelor of Science

- Accounting
- Business Analytics
- Economics
- Entrepreneurship and Corporate Innovation
- Finance
- International Business
- Luxury Brand Management & Marketing
- Management
- Marketing
- Professional Sales
- Real Estate

Interdisciplinary Majors

Bachelor of Arts

- Criminal Justice
- Environmental Studies
- International Studies
- Public Policy

Bachelor of Science

- Ecology
- Neuroscience

Catalog year for major requirements

Students follow the major and/or minor requirements in effect during the academic year in which they are declared. Students wishing to adopt the requirements of a subsequent catalog year for an existing major and/or minor may submit a request to the chair of the relevant department who will then notify the Registrar's Office. However, students may not adopt the requirements for a prior catalog year.

Choosing a Major

Some students declare their major when they enter Susquehanna. Many others prefer to wait and investigate a number of fields before deciding. Susquehanna welcomes and encourages these undeclared students. Students may pursue an "Undeclared" option for their first two years. During this time, faculty advisors, department heads and the Career Development Center can help them to choose or design a major that satisfies their interests and goals. To ensure they can complete degree requirements within the normal four-year period of study, students must declare a major by the end of the sophomore year. Those seeking to enter programs leading to teacher certification must have a grade point average of 3.00 or better and secure the approval of the department. Those seeking to major in music must audition successfully with the music faculty before admission. Those seeking to major in creative writing must submit a portfolio (eight to 10 pages) of work to the creative writing faculty. Those seeking to major in studio art or graphic design must submit a portfolio to the art faculty.

Departmental Majors

Coursework in a major typically consists of eight to 12 courses, or 32 to 48 semester hours. Requirements may include courses from related disciplines. Music education, elementary education, graphic design, computer science, mathematics, ecology, biology, neuroscience, accounting and other majors offered through the Sigmund Weis School of Business require more than 48 semester hours; students choosing these majors should do so early and plan carefully to complete the requirements in four years. Students must complete at least half of their major coursework at Susquehanna. Unless it is explicitly stated otherwise in the section for that individual department, students must earn a grade of at least C- in a course to apply it to their major.

Dual Majors

Students pursue dual majors for a variety of reasons. Many have a strong interest in more than one field; others feel that a second major will better prepare them for their profession. Students seeking to declare a dual major must have the approval of both departments and plan their program with a faculty advisor from each. Because completing two majors is demanding, the university expects candidates to have a strong academic record. Most dual majors can be completed in four years, but additional time may be needed depending on the particular combination of majors proposed and the student's academic level when making this decision. Some departments have restrictions on the number of credits that can be double counted toward a second major (or minor) and such details are listed on each department's catalog page.

Major/Minor Combinations

Students may not major and minor in the same department, unless specifically stated under a department's catalog entry. If a student is earning an interdisciplinary minor, at least 16 semester hours of that minor must not be counted toward the student's major.

Self-Designed Majors

Self-designed majors must contain 48 to 60 semester hours from at least two different departments, with at least 28 semester hours from one core department. The student receives a primary advisor from this core department and a secondary advisor from one of the other departments from which a number of courses are taken for the major. Only grades of C- or higher may be used to satisfy the requirements for a self-designed major, and the student must have at least a 2.00 GPA in the major. Other degree requirements, such as the university Central Curriculum, remain in effect for students pursuing self-designed majors and should be included in the plan of study. The plan must be approved by the sponsoring departments and the dean of the school, with the proposal being signed by the primary advisor, secondary advisor and the department head of the sponsoring department.

Accelerated Degree Options

Most majors, with the exception of accounting, elementary education and music, adapt to Susquehanna's accelerated degree option, which allows highly motivated students to complete degree requirements in three or three and one-half years of study. For further details, contact the Office of Admission.

Academic Minors Offered at Susquehanna

The major-minor combination often allows students to combine a field of study chosen for its appeal to their special interests with a field chosen for its practicality. Such combinations often broaden possible career outcomes. A minor can also represent a particular skill that may give students a competitive edge in the job market, such as proficiency in a foreign language. Susquehanna offers more than 60 minors. Most consist of four to six courses, or 16 to 24 semester hours, of concentrated study in a specific field beyond the Central Curriculum requirement. Students who complete a minor will have it noted on their transcripts. If a student chooses an interdisciplinary minor, at least 16 semester hours of that minor must not be credited toward the student's major. Unless explicitly noted otherwise, a student must earn a grade of at least C- in a course in order to have it satisfy the requirements for a minor.

Catalog year for minor requirements

Students follow the major and/or minor requirements in effect during the academic year in which they are declared. Students wishing to adopt the requirements of a subsequent catalog year for an existing major and/or minor may submit a request to the chair of the relevant department who will then notify the Registrar's Office. However, students may not adopt the requirements for a prior catalog year.

School of the Arts

- Art History
- Church Music
- Collaborative Piano
- Creative Writing
- Music Performance
- Music Technology
- Music Theory/Literature
- Photography
- Studio Art
- Theatre

School of Humanities

- Advertising
- Broadcasting
- English
- ESL Program Specialist
- French Studies
- German Studies
- History
- Italian Studies
- Journalism and Digital Content

- Philosophy
- Professional and Civic Writing
- Public Relations
- Publishing & Editing
- Religious Studies
- Spanish Studies
- Sports Media

School of Natural & Social Sciences

- Anthropology
- Astronomy
- Biochemistry
- Biology
- Chemistry
- Computer Science
- Earth & Environmental Sciences
- Ecology
- Environmental Education
- International Relations
- Mathematics
- Physics
- Political Science
- Psychology
- Sociology
- Watershed Studies

Sigmund Weis School of Business

- Accounting
- Business Administration
- Economics
- Entrepreneurship and Innovation
- Finance
- International Business
- Luxury Brand Management & Marketing
- Management
- Marketing
- Real Estate
- Risk Management

Interdisciplinary Minors

- Actuarial Science
- Africana Studies
- Applied Linguistics
- Arts Administration
- Asian Studies
- Criminal Justice
- Data Science/Analytics
- Diversity Studies
- Ecology
- Environmental Studies
- Film Studies
- International Studies, focus areas in:
    - Comparative Cultures
    - Diplomacy
    - Trade and Development
- Jewish and Israel Studies
- Leadership
- Legal Studies
- Military Science
- Museum Studies
- Pre-Health Professions
- Professional Sales
- Public Policy
- Science Communication
- Sustainability Management
- Strategic Studies
- Women and Gender Studies

Preprofessional Programs

Prelaw

Susquehanna students have an excellent acceptance and achievement record at a wide variety of law schools across the country. To prepare for law school, the Law School Admission Council (LSAC) and the American Bar Association (ABA) do not recommend any one course of undergraduate study. Students from any major are accepted by and succeed in law school. The LSAC and ABA do recommend that students successfully complete a curriculum that will help them to develop their skills in oral and written communication, as well as their analytical reasoning ability. The prelaw program works with interested students to obtain internships in the law to provide them with experience that will help them to determine if the law is the right field of graduate study for them. A student's undergraduate GPA and LSAT score are important criteria in the law school admission process. To assist students preparing for postgraduate study in the law, Susquehanna University has an innovative program that reimburses students for a portion of the cost of an LSAT-preparation course to assist them in assembling the best possible law school application. Susquehanna University has a general articulation agreement with Capital University Law School that guarantees admittance to Susquehanna graduates who meet certain requirements. For information on this and other aspects of the prelaw program, contact the prelaw advisor, Associate Professor of Political Science Rolfe Peterson.

Pre-health Professions

Susquehanna graduates successfully continue on to earn pursue careers in diverse healthcare occupations, including careers as doctors, physicians assistants, pharmacists, nurses, dentists, veterinarians, optometrists, and more. In addition, our graduates go on to careers in allied health fields, such as physical therapy, athletic training, occupational therapy, genetic counseling, and lab sciences.

Beginning in the first year, the Director of Health Professions, in conjunction with the faculty advisor, coordinates the preparation of students for professional schools in these areas. Students receive career-specific advising, as well as assistance with arranging internship opportunities, professional test preparation, application preparation and school selection.

Demonstration of a strong level of competence in the natural sciences is a requirement for successful admission to all health professions programs. Most students pursue majors such as biomedical sciences, biology, exercise science, neuroscience, chemistry, biochemistry or psychology. However, students can pursue any major provided they complete the science prerequisites, which commonly include at least two semesters of general biology and one year each of general chemistry, organic chemistry, and physics. Most programs also require at least one semester of biochemistry and one semester of a higher-level math. Students should be cognizant that many health professional programs may require additional coursework, such as human anatomy and physiology, advanced genetics, or microbiology.

Students are strongly encouraged to work with their academic advisor and the director of health professions as they plan schedules and progress through their major. Candidates for professional schools must maintain a high grade point average. Ideally, students applying to medically-oriented programs should have volunteer, shadowing, internship and work experience to establish career clarity and demonstrate they understand the current healthcare landscape.

Students must also score well on profession-specific standardized tests. Susquehanna students most often take the MCAT, DAT, OAT, GRE, Biology GRE or Casper exam to fulfill graduate program requirements. Additional test-specific preparation and practice exams are highly recommended. A formal test preparation course is one method students choose to prepare for the MCAT and DAT, since these computer-based standardized examinations encompass content areas from the sciences, social science, mathematics and English language skills. In response to the intense nature of these exams and the level of preparation that is required, Susquehanna University developed a program that reimburses students for 25% of the cost of taking an MCAT or DAT preparation course as part of their preparation for the application process.

Pre-ministry and Church Occupations

Susquehanna has a special interest in preparing students for service in the church. This service can include the ordained ministry, parish work, diaconal ministry, social ministry and ministry in music. These career goals typically require graduate study.

Preparation for graduate theological study, ministry and church occupations includes academic instruction, spiritual maturation and experiential learning. Although students may major in any field, they are encouraged to emphasize the broadening aspects of the liberal arts. In addition, pre-ministerial students are advised to study a language likely to be spoken by those whom they may be called to serve (e.g., Spanish studies for those with an interest in ministry areas with significant Latino/Hispanic populations).

Susquehanna's historic relationship with the Lutheran Church (ELCA) attracts many students to its service, but graduates have also entered service in many other denominations. The university chaplain can give advice on the many options available in this area.

Cooperative Programs

Susquehanna has established cooperative programs with several universities to expand opportunities for Susquehanna students. These programs allow interested students to pursue a special combination of liberal arts and professional studies. Cooperative candidates typically study in Susquehanna's liberal arts programs for two to three years. They then transfer to a more specialized university to earn a professional degree.

Harrisburg University School of Science and Technology: Physical Therapy Program

An agreement with Harrisburg University reserves five seats in the Doctor of Physical Therapy (DPT) program for eligible Susquehanna University students. To be eligible, students must graduate with a minimum GPA of 3.0 (on the 4.0 scale), complete HU's DPT admissions application once they earn at least 90 credits at SU, fulfill HU prerequisite course requirements, and intend on enrolling at HU within 2 years of SU graduation. HU DPT program requirements include Anatomy and Physiology, upper-level biology classes (choices of cellular, molecular, neuro, microbiology and exercise physiology as described in the agreement), chemistry (options of general chemistry and biochemistry) and physics (with options stated in the agreement).

Engineering Joint Program with Columbia University, Washington University in St. Louis and Case Western University

Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna distributional requirements, courses for a major program in chemistry, computer science, mathematics or physics, and pre-engineering foundation courses prescribed by the specific joint university.

For Columbia University, students must earn a pre-engineering GPA of 3.30 or higher, as calculated by Columbia University. Additionally, the minimum grade for each pre-engineering science or math course must be a B (3.0) or better on the first attempt.

For Washington University in St. Louis, students must earn an overall and pre-engineering GPA of 3.25 or higher, as calculated by Washington University.

For Case Western University, students must earn an overall and pre-engineering GPA of 3.0 or higher, as calculated by Case Western University.

Approved candidates enroll at the partner university for two years, earning both a bachelor's degree in chemistry, computer science, mathematics or physics from Susquehanna and an engineering degree from the respective partner university. For more information, contact Professor of Physics Samya Zain.

Joint Degree programs are:

Chemistry 3+2 Pre-Engineering (Bachelor of Arts)
Computer Science 3+2 Pre-Engineering (Bachelor of Science)
Mathematics 3+2 Pre-Engineering (Bachelor of Arts)
Physics 3+2 Pre-Engineering (Bachelor of Science)

Lake Erie College of Osteopathic Medicine (LECOM) Early Acceptance Programs

High school students as well as first- and second-year Susquehanna University students (with fewer than 60 college credits total) may apply to LECOM's Early Acceptance Program through LECOM's Early Acceptance Program (EAP) portal. After screening, selected students will be offered an interview by LECOM. If successful they will be given provisional acceptance to the Doctor of Osteopathic Medicine (DO), Doctor of Dental Medicine (DMD), Doctor of Podiatric Medicine (DPM), or Doctor of Pharmacy (PharmD) program. LECOM will guarantee 5 EAP seats annually to the DO and DMD programs for qualifying students. Seats for dental school will be available only at the LECOM Bradenton, FL dental school. Seats in the Pharmacy program will be available at the Lake Erie Campus or the Bradenton, FL campus. LECOM will guarantee 2 EAP seats for provisionally accepted students in the DPM program.

Meritus School of Osteopathic Medicine (MSOM)

Susquehanna students who meet the defined academic and admissions criteria are guaranteed an interview for admission into Meritus' Doctor of Osteopathic Medicine (DO) program (at MSOM in Hagerstown, Maryland). To be eligible for the program, students must: 1) be currently enrolled at or have graduated within the last two years from SU at the time of application; 2) have an overall and science GPA of 3.3 or higher at the time of application; 3) earn a minimum MCAT score of 500 within the last three years; 4) submit a strong letter of recommendation from SU's pre-medical advisor on institution letterhead; 5) successfully complete or be on track to complete all MSOM prerequisite coursework as published in the MSOM catalog and website prior to the start of the academic year of application; 6) be in good academic, professional, disciplinary standing at the Partner Institution; 7) be a U.S. Citizen or permanent resident of the United States.

Northeast College of Health Sciences: Chiropractic Program

Susquehanna students are guaranteed admission to the chiropractic program if they fulfill prerequisite courses and admission requirements. Successful applicants will enter into a 3-year Chiropractic program after completing their undergraduate studies (a 4 + 3 year trajectory). While at Susquehanna, students must complete the equivalent of 3 academic years of undergraduate studies (90 semester hours) and maintain a GPA minimum of 3.0 (on the 4.0 scale).

Pharmacy Joint Program with Duquesne University and Temple University

Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna Central Curriculum requirements, courses for a major program in chemistry or biochemistry, and prepharmacy foundation courses prescribed by the specific joint university.

For Duquesne University, students will complete a three-year undergraduate Pre-Pharmacy curriculum at Susquehanna University, 110-116 semester hours towards the graduation requirements for either the chemistry or biochemistry major, including all central curriculum requirements, earn a minimum grade of "C" in all Susquehanna University undergraduate courses, and maintain a minimum overall GPA of 2.50 or better in all Susquehanna University undergraduate courses.

For Temple University, students will complete a minimum of 112 semester hours towards the graduation requirements for the biochemistry major, including all central curriculum requirements and the necessary additional prerequisite courses, within the three years immediately preceding matriculation at Temple. In addition, students will earn a minimum cumulative GPA of 2.7 and a minimum GPA of 3.0 in all math and science courses and earn a minimum grade of a "C" in courses considered for transfer into the PharmD Program.

Approved candidates enroll at the joint university for four years, earning both a bachelor's degree in chemistry or biochemistry from Susquehanna and Doctor of Pharmacy degree from the joint university. Select coursework from the first year at the joint university will transfer back to Susquehanna University, and students will complete their bachelor's degree requirements at the end of that year (residency waivers will be approved upon submission to the Residency Waiver Committee). Students will not satisfy the requirements of their Susquehanna bachelor's degree until the additional courses from the joint university are completed. For more information, contact Professor of Chemistry Swarna Basu.

Salus University Audiology, Optometry, and Occupational Therapy Programs

Salus University will reserve 3 seats in each incoming class for successful Susquehanna University students in the programs below. Students will complete 4 years at Susquehanna University earning their bachelor's degree before matriculating into a Salus University program.

- Doctor of Audiology (AuD) 4+4 program: Students must maintain a 3.0 or higher GPA at Susquehanna University including required pre-requisite courses.
- Doctor of Optometry (OD) 4+4 program: Students must maintain a 3.0 or higher GPA at Susquehanna University including required pre-requisite courses.
- Master of Science in Occupational Therapy (MSOT) 4+2 program: Students must maintain a 3.25 average or higher including required pre-requisite courses.

Villanova Second Degree Accelerated BSN Program

Villanova School of Nursing will accept up to 5 qualified Susquehanna students to its Second Degree Accelerated BSN track each year. To be eligible, students must have successfully completed all undergraduate prerequisite courses with a C or higher, earned a cumulative GPA of at least 3.0 (on the 4.0 grading system), and successfully completed their third year at Susquehanna. The Second Degree Program offers 14-month (BSNExpress) and a 23-month (BSNFlex) options.

ROTC

The Army's Reserve Officer Training Corps program prepares college graduates for entry-level positions within the United States Army. Many graduates serve for extended periods on active duty with the regular Army; others pursue civilian careers while serving part time in the Army Reserve or the National Guard. ROTC students are eligible for an academic stipend and scholarship assistance. Susquehanna participates in the ROTC program based at Bucknell University. Further information is available by contacting the Department of Military Science at Bucknell University at 570-577-1013.

Academic Policies and Regulations

Academic standards exist at every college and university. Many are common throughout higher education and others are specific to a particular campus. Standards are both an indicator of general educational quality and a means by which an individual student's achievement and progress can be measured. Susquehanna's academic year is composed of 30 weeks of instructional time, and in each semester a full-time student must be enrolled in at least 12 semester hours of credit. To receive the full benefit of a Susquehanna education, each student has these basic responsibilities:

- To attend class regularly (if a student misses the equivalent of two weeks of class in a 14-week course or one week of class in a seven-week course, the faculty member may remove the student from the course with a final grade of F),
- To meet frequently with the faculty advisor,
- To make steady progress toward graduation, and ·
- To understand and follow university policies outlined in this catalog and the Student Handbook.

Advising and Course Selection

Academic advising is one of the most important services available at a college or university. The process helps students plan an educational program that satisfies their individual needs.

First-year and transfer students at Susquehanna usually meet their advisors during the second week of classes in the fall semester. Their initial discussions focus on course choices and the university in general. After that, students meet with their advisors as often as necessary—at least once each semester. These are opportunities to talk about academic goals and decide upon a major. Advisors can also help students gain approval for independent study and find out more about off-campus study programs. While academic advisors may provide guidance and support as described here, students are ultimately responsible for their academic choices and the consequences of those choices.

In March and November, students register for the upcoming semester after selecting their courses with the guidance of their advisors. In addition, during the first two days of each semester, all students go through a mandatory electronic registration check-in process.

Susquehanna reserves the right to limit the size of any course. Every effort is made to accommodate individual needs, but the university cannot guarantee placement in a specific course in a particular semester. The registration calendar enables priority for course enrollment first to seniors, followed by juniors, sophomores and first-year students.

Course Loads

The normal course load for a full-time student is 16 semester hours (typically four courses) per semester. Students may take a minimum of 12 semester hours each semester without losing their full-time status. Students may take more than 18 semester hours and up to a total of 24 semester hours if they do not have any outstanding grades of EC, I or N and meet the specified minimum cumulative GPA of 2.5 for seniors or 3.0 for all other students. The following course types do not count toward a student's overload: GO preparatory or GO reflection courses, music lessons, music ensembles, internships, or practica.

Students who do not meet the specified GPA criteria or have outstanding grades of EC, I or N need approval from their advisor and the dean of their school to exceed 18 semester hours. Students who have a cumulative GPA below 2.00 are not eligible to take an overload under any circumstances. First-time, first-year students also may not enroll in more than 18 credits in their first semester at SU. New transfer students may take an overload with advisor, department head and dean's permission.

Independent Study

This option is for students who would like to investigate a topic not covered by the regular curriculum. It can also provide an opportunity for more in-depth research on an issue raised in another course. To qualify for independent study, a student must have completed 48 semester hours with a cumulative GPA of 3.00 or higher. Independent study also requires written approval of the supervising faculty member and of the head of the department offering the course. Other students who are in good academic standing and who have no grades of EC, I or N may attempt an independent study if they also receive permission from the dean of the appropriate school. Individual faculty and departments may establish higher standards of eligibility. Normally an independent study project earns from two to four semester hours of credit.

Internships

Most academic disciplines offer internships during the junior or senior year. These work experiences allow students to apply what they have learned in courses to the real world of professional organizations. A faculty intern advisor and a supervisor in the place of work design internships together, and each evaluates the student's performance following completion of the internship.

Before arranging an internship, the student consults the academic department in which credit is to be earned. Department faculty must approve the student for the internship and determine the nature of the academic responsibilities and the amount of credit. Academic good standing (2.00 GPA or better) is required for all internships. Many departments require a 2.50 GPA or better for internship approval. Students must complete and submit to the Office of the Registrar a Student Learning Contract before beginning their internship. The university will not grant retroactive internship credit.

Students participating in summer internships for academic credit pay 50 percent tuition on a credit-hour basis. Normally, the university awards one to four semester hours for a summer internship. Summer internship credit is registered through the Office of the Registrar.

Practica

Practica are typically unpaid work assignments required in conjunction with a major program. Student teaching within the Department of Education is one example of a practicum experience. Practica typically involve supervised experience and training in professional, academic, clinical, community and research settings. Faculty from their major department inform and guide students in the practicum requirements. Internships or practica are possible for any Susquehanna student who meets the basic eligibility requirements. Interested students should consult their faculty advisors or department heads.

Adding and Dropping Courses

Students may change their course schedules during the drop/add period through the fifth day of classes with no record of the change reflected on their transcript.

Attendance Policy

It is the university's policy that when a student has accumulated more absences than weekly class meetings in any particular course during the semester, the faculty member may warn the student in writing of the consequences of additional absences. When a total absence accumulation has reached the equivalent of two weeks' class meetings (one week's class meetings for a seven-week course), the faculty member may award a grade of F, which automatically withdraws the student from the course. As with any grade, an appeal may be made through normal channels if gross unfairness or illegal discrimination is alleged.

Each faculty member may choose to establish more stringent or less stringent attendance requirements than those set by the university or to abide by the university's policy. In either case, for each course the attendance policy must be clearly stated in the syllabus and distributed on the first day of classes.

Participation in university-sponsored events does not constitute an automatic excused absence from classes. The instructor may require student attendance if, in the context of the course, this appears to be in the student's best interest. In any case, the student is responsible for informing the instructor of an intended absence as early as possible and at least by the class period preceding that absence. If circumstances make such notification impossible, the student must see the instructor on the first day of returning to class.

Course Withdrawals

After the drop/add period, students may withdraw from a course and receive a non-punitive grade of W until the end of the tenth week of classes in full-semester courses or the end of the fifth week of classes in seven-week courses.

After these dates, students may withdraw from a course only for extraordinary circumstances, such as a family or personal crisis, if approved by the Senior Director of the Center for Academic Success. In these cases, the student will receive a non-punitive grade of W.

While at SU, students may withdraw from a maximum of sixteen hours of credits after the withdrawal deadline due to extraordinary circumstances. Students whose circumstances necessitate withdrawal from more than sixteen hours of credit may appeal to the Provost.

Failure to attend class does not in itself constitute withdrawal. Students who stop attending a class without obtaining an approval to withdraw from a class will receive a final grade for the course, with zeros being factored in for all missing coursework.

Dropping a course can delay graduation and may affect a student's eligibility for financial assistance, for insurance or for some academic honors.

All students are responsible for their own enrollment. Failure to add, drop or withdraw from a course properly may result in no credits awarded and/or a failing grade.

Impact of Course Withdrawals on Federal and State Financial Aid

Since federal and state financial aid eligibility is unique to every student, students are encouraged to contact Student Financial Services (sfs@susqu.edu) to discuss the potential impact and ramifications of course withdrawals on their specific situations.

Medical Withdrawals and Medical Course Load Reductions

Susquehanna University is fully committed to supporting students in achieving success. Sometimes a medical or psychological condition can impact a student's ability to function so severely that either reducing the course load or withdrawing temporarily from the university may be worth considering.

- **Medical Leave of Absence**: Voluntary withdrawal from the university in order to improve mental or physical health, which has been supported by a medical or mental health provider.
- **Medical course Load Reduction**: Voluntary course load reduction after withdrawal deadline, which is granted in order to improve mental or physical health.

Students should contact the Center for Academic Success (su-cas@susqu.edu) for additional information about this process. If requests for a Medical Leave of Absence or a Medical Course Load Reduction are approved, students will receive a non-punitive grade of W. Approved medical withdrawals are not included in the limit of sixteen hours of credit described in the "Course Withdrawals" section.

Leave of Absence

Students may take leaves of absence for personal, medical or financial reasons, or for study at other institutions with which Susquehanna has no formal cooperative program. Any interested student may arrange a leave of absence by filing the appropriate form with the Center for Academic Success (CAS). Students in good academic standing may re-enter the university after their leave by writing to the CAS. Students on academic warning or academic probation who take a leave of absence must be formally reinstated by the Academic Standing Committee before they may return to Susquehanna. The procedures for such reinstatement are identical to the procedures for readmission after academic suspension.

Withdrawal from the University

To be eligible for any refunds under the schedule established by Student Financial Services at www.susqu.edu/admission/financial-aid/loans-financing/withdrawal-tuition-adjustment/, students must complete the formal withdrawal form available from the Center for Academic Success (CAS). Simple departure from campus does not constitute official withdrawal. Students who do not immediately notify the CAS of their intention to withdraw will lose all fees and deposits. Degree candidates who withdraw or take a leave of absence from the university for more than one year are subject to any changes made in their academic program requirements during that time. Students who have left the university for one year or less may fulfill either their original major and distributional requirements or the revised requirements.

Grade Changes

Normally, the instructor is the final authority for all grades. Grades are changed only in the event of error, and changes require authorization by the faculty member and approval by the dean of the appropriate school. All grade changes must be submitted within one month from the end of the semester in which the grade is assigned. If a student is assigned an incomplete, the grade change policy is effective one month from the date the incomplete is resolved. See the Incomplete (I) Grades policy in this catalog for deadlines related to assigning and resolving incomplete grades.

A student may not raise a final grade by doing additional assignments after the course has concluded or by revising previously submitted assignments. Any grade conflict that cannot be resolved between the faculty member and the student shall be referred to the department head. If the conflict cannot be resolved at the departmental level, the issue may be referred to the dean of the school.

Grading System and the GPA

Each letter grade from A to F carries a designated number of quality points per semester hour. These points are used to calculate the grade point average (GPA). To determine the GPA for each semester, the number of quality points earned that semester is divided by the number of semester hours taken that semester. To compute the cumulative GPA, all quality points earned at Susquehanna are divided by all semester hours attempted.

The following values are used in the computation of quality points:

A	4.00 quality points	C	2.00 quality points
A-	3.67 quality points	C-	1.67 quality points
B+	3.33 quality points	D+	1.33 quality points
B	3.00 quality points	D	1.00 quality points
B-	2.67 quality points	D-	0.67 quality points
C+	2.33 quality points	F	0.00 quality points

The following grades carry no quality points and do not affect the GPA:

W	Withdraw	EC	Extended Course
S	Satisfactory (C- or higher)	I	Incomplete
U	Unsatisfactory (D+ or lower)	N	Not Reported (final grade delayed for administrative reasons)
TR	Credit by examination or transfer credit from other institutions*	CIP	Course in Progress
AU	Audit		

* Coursework accepted for transfer from other institutions will be recorded only as credit earned toward graduation. It will not be included in the student's GPA.

Extended Course (EC) Grades

Some courses, especially senior seminars and advanced research courses, may require more than one semester to complete. In such cases, the instructor will give a temporary grade of EC. Students then submit all remaining work by the end of the next fall or spring semester in which the student is enrolled at SU. Students who fail to complete all assignments by the required date will be graded on the work submitted up to that point. Grades of zero or F may be calculated for missing assignments.

Students may not graduate with an "EC" grade recorded on their transcript. Therefore, any extended credit grade that is not resolved by the applicable deadline will be automatically converted to an F by the Registrar's Office, unless an official extension is granted. Such grades may be revised in accordance with the grade change policy listed in this catalog.

Incomplete (I) Grades

Occasionally an illness or family emergency may prevent a student from completing all assignments before the end of the course. Under these circumstances a professor may award the temporary grade of Incomplete, which is noted as "I" on the student's transcript. If the I is for a seven-week course in the first half of the semester, the student must complete all outstanding work by the end of the 14th week of classes in that term. If the I is for a full-semester course or a seven-week course in the second half of the semester, the student must complete all outstanding work within the first two weeks of the next fall or spring semester in which they are enrolled at SU. Students who are assigned incompletes for summer and/or winter courses must complete all outstanding work within the first two weeks of the next fall or spring semester in which they are enrolled.

Students may not graduate with an "I" grade recorded on their transcript. Therefore, any incomplete grade that is not resolved by the applicable deadline will be automatically converted to an F by the Registrar's Office unless an official extension is granted. Such grades may be revised in accordance with the grade change policy listed in this catalog.

Extensions for Incompletes

Note that an extension for a previously assigned grade of "I" may not be changed to "EC," which is only granted for the circumstances listed above. Extensions for I grades must be approved by the instructor and filed with the registrar. Extensions for incompletes may not exceed the end of the fall or spring semester immediately following the one in which the student took the course. If, for any reason, the student takes a leave of absence during the extension period, the regular deadline (two weeks into the term in which they re-enroll) will apply.

Students who do not finish all assignments by the required date will be graded on the work submitted up to that point. Grades of zero or F may be calculated for missing assignments. If no grade change is received by the end of the approved extension period, the incomplete will be automatically converted to an F by the Registrar's Office. Such grades may be revised in accordance with the grade change policy listed in this catalog.

Any student who receives an I during the semester is ineligible for the Dean's List.

The S/U Option

Susquehanna encourages students to explore different disciplines and pursue new interests by enrolling in a wide variety of courses. The S/U, or satisfactory/unsatisfactory, option allows students to take an elective in an area in which they have had little or no prior experience without taking a chance of lowering their GPA. Under the S/U option, students who earn a grade of C- or higher receive a grade of S, or satisfactory. Students who earn a grade of D+ or lower receive a grade of U, or unsatisfactory. Neither grade is calculated into the student's GPA, but a course completed with a grade of U does not earn credit toward graduation. Courses for which students choose the S/U option may not be counted toward Central Curriculum or major/minor requirements. Courses offered on an S/U basis only, may be used toward these requirements.

Students must officially declare their intention to use the optional S/U grade by submitting a completed S/U form to the Office of the Registrar. Students may declare or cancel the S/U option through the end of the eighth day of classes for 7-week courses and the end of the 3rd week of classes for 14-week courses.

A student may not take more than four semester hours of S/U coursework in any one semester except in the case of certain internships. A maximum of 12 semester hours of electives may be taken on an optional S/U basis. Courses graded only on an S/U basis are not included in the optional S/U maximum total.

Auditing

Another way to take advantage of the university's diverse curriculum is to audit a course. Students who choose the audit option are not required to take examinations. They are expected to attend and participate in class regularly. Audited courses carry no academic credit, but the university does note audited courses on transcripts. Students should notify the Office of the Registrar of their intent to declare or cancel an audited course by the eighth day of classes for 7-week courses and the end of the 3rd week of classes for 14-week courses.

Repeating a Course

To improve their knowledge or to earn a higher grade, students are permitted to repeat courses. If a course is repeated, only the highest grade is included in the calculation of the cumulative GPA. Students will not earn additional credit toward graduation by repeating a course in which they previously received a passing grade. All instances of repeated courses, including the original attempt, are displayed on the student's academic transcript.

The repeated course must have the same subject code and course number as the original unless listed as equated in the course catalog or is an approved independent study. Variable topic courses that share the same course code and number may be repeated under a different topic and do not fall under this repeat policy. This policy also does not apply to courses marked as repeatable for credit. A grade that was originally received in a course may not be changed by repeating the course under the satisfactory/unsatisfactory option. A grade of W (withdrawal) also does not replace the previous grade.

A course may be repeated at another institution and transferred to Susquehanna. If a grade of C- or higher is earned at the transfer institution, a grade of TR will be recorded on the transcript. TR grades do not calculate into the GPA. The original grade would then be removed from the GPA calculation. If the number of credits earned for the repeated transfer course is less than that earned for the original Susquehanna University course, the student will retain the credits already earned but no additional credits will be earned for the transfer. If the number of credits earned for the repeated transfer course is greater than that earned for the Susquehanna University course, the transfer credits will replace the previously earned credits. If a student repeats a transferred course, the student may request to remove the transfer course from their transcript.

A student may repeat a course more than once, but must receive permission from the academic advisor, dean, and Student Financial Services (if the student is a federal student aid recipient) for the third and subsequent attempts. Students are responsible for determining any academic or financial implications for repeating courses.

Susquehanna University Transfer Credit Policy

Susquehanna University (SU) will accept transfer credit from U.S. institutions accredited by federally recognized accrediting agencies. Transfer credits from institutions outside the U.S. will be evaluated on a case-by-case basis. The Office of the Registrar will review the official transcripts from each previously attended institution to determine which credits may be eligible for transfer to SU. All bachelor's degree candidates take at least 62 semester hours of their total coursework, including 24 of their last 32 semester hours, their major capstone course, and any other course a major program may designate, in residence at SU or in SU-approved off-campus programs, as required by SU regulations. Students must also complete half of the credits in their major and/or minor at SU.

Credit and Course Equivalency

Only courses with grades of C- or above will be considered for transfer credit. Academic courses at SU are typically valued at four semester hours. Credit for approved transfer courses from institutions that follow a standard semester hour system (where most academic courses are valued at 3 semester hours) will be granted based on the credit earned at the awarding institution. Courses transferred from institutions following a quarterly academic calendar will be awarded at 0.67 semester hours for each quarter hour earned at the other institution.

If the transfer of courses results in a shortfall of credit in a major or minor, SU will waive the shortfall of credit up to 3 semester hours. This policy applies to the total hours required to fulfill majors and/or minors and also the Central Curriculum. Students must still complete all the requirements of the academic programs, fulfill all residency requirements and earn a total of 124 hours toward graduation. (See institutional and departmental residency requirement details in related sections of this catalog.)

Courses approved for transfer credit that satisfy specific Central Curriculum or major requirements will fulfill the requirement as long as the required effort and amount of content is deemed comparable to an SU course. (See below for additional information related to Central Curriculum requirements.)

No grade earned elsewhere will be recorded on the student's SU transcript nor will those grades be used to calculate a student's Susquehanna GPA, except in the rare circumstances of existing articulation agreements. Please contact the registrar's office for additional details.

While preliminary transfer evaluations will be provided to students applying for admission or considering taking courses elsewhere during their residency at SU, no transfer credit will be officially recorded without an official transcript. Students should arrange to have an official copy of their transcript sent directly to the Office of the Registrar as soon as final grades are available.

1) Transfer courses may be approved as either equivalent to SU courses or as general elective credit.

a) Equivalent courses:

i) Courses approved as equivalent to a Susquehanna course fulfill all major and/or minor requirements that would be fulfilled if the course were taken in residence at Susquehanna.
ii) Courses approved as equivalent to a Susquehanna Central Curriculum (CC) course carry the CC categories associated with the SU course with the exception of the "Intensive" requirement. The Office of the Registrar will require a copy of the syllabus to determine if a transfer course fulfills the CC intensive category and will consult with the University Curriculum Committee as needed.
iii) Transfer students who are awarded a minimum of 12 semester hours of transfer credit upon admission to Susquehanna are exempt from the First-Year Seminar (FYSE) requirement.

b) General Elective courses:

i) Courses that do not have a Susquehanna equivalent may be approved as general elective credit.
ii) General elective courses fulfill the total hours (124) required for graduation even if they do not fulfill requirements in the major, minor or Central Curriculum.
iii) General elective courses may be approved to fulfill areas of the Central Curriculum. The Office of the Registrar will review the courses and consult with the University Curriculum Committee as needed.
iv) General elective courses may also fulfill major and/or minor requirements when approved by the appropriate department.

2) All transfer courses require the approval of the respective department head(s) to be used in the student's major or minor, including when used as electives within the major or minor.
3) The following additional criteria will be used when considering courses for transfer credit:

a) Remedial courses do not transfer.
b) Courses repeated for credit at another institution generally transfer only once when the minimum grade of C- is met. Limited exceptions may be made for specific courses (e.g., music performance, studio lessons, topics courses with different titles, etc.). For details related to retaking an SU course at another institution, see the *Repeating a Course* section of this catalog.
c) Courses taken on a pass/fail basis at another institution will be considered for transfer credit, dependent upon the availability of grade information from the awarding institution to verify that the minimum grade requirement of C- was met. Exceptions may be considered for courses taken during the COVID-19 pandemic (Spring 2020 – Spring 2022).
d) Vocational and technical courses may transfer when the academic content in the course description is deemed appropriate by the Office of the Registrar.
e) Credit awarded through AP and/or IB programs is counted toward graduation requirements and, if approved, may be counted toward major/minor requirements but are not included in the student's Susquehanna GPA.

Advance Placement (AP)

Susquehanna recognizes exceptional high school achievement by participating in the Advanced Placement Program of The College Board. Students may earn academic credit and/or exemption from entry-level courses by superior performance on AP examinations. In general, departments award credit for scores of four and five.

Some academic departments at Susquehanna also grant credit toward graduation for both the general and the subject examinations of the College Level Examination Program (CLEP). Normally, a CLEP score at or above the 50th percentile receives the equivalent of four semester hours of course credit.

Students who earn exemption or credit through examination for a specific course may not subsequently enroll in and receive credit for the same course. They also may not enroll in any lower-level course in the same department without the permission of the department head.

International Baccalaureate Credit Policy

Susquehanna University recognizes the intellectual rigor, high academic standards and emphasis on international understanding and responsible citizenship of the International Baccalaureate (IB) program. The IB program is an internationally recognized two-year, comprehensive curriculum overseen by the International Baccalaureate Organization, a nonprofit foundation based in Switzerland. The program is available to students between 16 and 19 years of age at numerous domestic and international secondary schools. Recipients of the IB certificate may receive credit for up to two courses in each subject area for which a higher-level examination score of five or more has been achieved, subject to final confirmation by the appropriate university department. Credit for a higher-level examination score of four will be awarded at the discretion of the appropriate university department. No credit will be awarded for subsidiary level examinations.

Language Placement

Students may receive a 101 placement in a language if they have no previous experience with it or have taken less than three years of it. Students who meet these criteria but did not receive a 101 placement can request a placement by contacting the Registrar's Office (regoffice@susqu.edu).

Students who have the equivalent of three or more years' previous experience with a language that is taught at SU (e.g., in high school) must complete a placement assessment before studying that language at SU. However, students who have taken less than the equivalent of three years of a language may still take a placement assessment if they feel they could place above the 101 level.

Incoming students should refer to the World Languages placement information available at www.susqu.edu/campus-life/student-and-campus-services/first-year-experience/language-placement-assessments/. Continuing SU students should refer to the advising information regarding placement on MyNest.

Language placements are valid for only two years, and students must retake the placement assessment if their placement expires before they start their language studies.

Scores received on pre-enrollment language proficiency examinations and nationally recognized achievement tests help determine placement level or exemption without credit from the university's Central Curriculum language requirement. Students who score a minimum of 4 on the National Advanced Placement (AP) examination are placed in the applicable course for their language discipline.

Students may fulfill the World Languages requirement if they received their secondary education in a language other than English, including ASL, or provide evidence of proficiency equivalent to the Central Curriculum requirement via a recognized testing body (e.g., ACTFL).

For further information on exemption and placement examinations, please contact the Office of the Registrar at 570-372-4109.

Off-Campus Summer School

In keeping with university policy on coursework at other institutions, Susquehanna students may also take summer courses at other institutions. Students planning to do so should complete the necessary form and provide the Office of the Registrar and the appropriate department head(s) with course description(s) from the other school at least two weeks before the end of the spring semester.

Susquehanna Summer Session

Susquehanna offers a seven-week regular summer session and two four-week intensive summer sessions, featuring a variety of online and on-campus courses, which are available both to Susquehanna degree candidates and to non-degree students. A list of the summer session courses is posted online early in the spring semester. Recent high school graduates who have been admitted to other colleges may enroll in the summer session. They should confer in advance with the college they plan to attend to make certain the credit earned will be transferable. Summer session students who plan to earn a Susquehanna degree should have their applications approved by the Office of Admission.

Susquehanna Winter Session

The Winter Session runs over the scheduled winter break every semester. The courses are designed as four-week online courses. There will be no class on Dec 25 and Jan 1. If cultural or religious observances not on these dates are in conflict with required class time, the student is asked to contact the instructor at the beginning of the course so appropriate accommodations can be made.

Due to the intensive nature of these courses, students are not permitted to enroll in more than one course unless they have permission from the Director of the Winter Session. Similarly, due to the expectations of the GO trips, students are not allowed to enroll in a winter course that overlaps with a GO trip unless they have permission from the Director of the Winter Session and the GO staff. The drop/add dates and refund information are available on the Winter Session website at Winter Session – Susquehanna University.

Academic Honors

The university sponsors a variety of programs to encourage and recognize outstanding academic performance. These include the Dean's List for each semester, honors awards at commencement and the annual University Scholars program.

Latin Honors

To graduate with honors, a bachelor's degree student must have completed no fewer than 62 semester hours in residence at Susquehanna.

The cumulative grade point averages required for honors designation at commencement are shown here:

Designation	Cumulative GPA
Summa cum laude	3.80-4.00
Magna cum laude	3.60-3.79
Cum laude	3.40-3.59

University Honors

Students who successfully complete the Honors Program, fulfill the semester-hour requirements above, and earn a cumulative GPA of 3.40 or better are awarded University Honors. Students who successfully complete the program and fulfill the semester hours but who have a cumulative GPA below 3.40 will be individually evaluated by the Director of the program and may be awarded University Honors based on a wholistic assessment of academic progress. The university awards departmental honors to recognize students who exhibit superior performance in their major field. Specific requirements for departmental honors appear under department listings.

Dean's List

The Dean's List recognizes students who earn a GPA of 3.40 or better in a particular semester. To be eligible, students must complete at least 12 semester hours and receive a letter grade for at least eight of those hours during the semester. Any student who receives an I during the semester is ineligible.

University Scholars

The university also annually designates University Scholars to recognize superior academic achievement. This honor goes to full-time students who have achieved or maintained a cumulative GPA of 3.75 or better after at least one full academic year of study at Susquehanna, or for part-time students who have completed 24 credits at Susquehanna.

Academic Standing and Satisfactory Progress Toward Degree

Any student with a cumulative grade point average below a 2.00 is on academic probation. Students have two semesters to bring their cumulative GPA up to academic good standing (2.00 or higher) as long as they make progress towards good academic standing at the conclusion of their first semester following their probation status.

Students who are on academic probation and fail to make progress towards good academic standing after one semester or fail to achieve good academic standing after two semesters, will be up for academic suspension. The Academic Standing Committee will review students' records and make final decisions.

Appeals to Academic Standing Committee

Appeals for Academic suspension and probation are adjudicated by the Provost. The appeal must be in writing and sent to the Center for Academic Success at su-cas@susqu.edu. The appeal must include new information that was not available to the Academic Standing Committee. An appeal based on discrimination or on capricious or negligent action by the Academic Standing Committee may also be addressed to the Provost.

Students receiving federal student aid must also meet the Satisfactory Academic Progress (SAP) requirements per the Higher Education Act (HEA), as amended, of 1965. The details of the University's SAP requirements are available at www.susqu.edu/about/policies-disclosures/susquehanna-policies/satisfactory-academic-progress-policy/.

Graduation Requirements

To earn a baccalaureate degree, a student must do the following:

- Complete 124 semester hours, with at least 62 hours outside the subject area of the major, (unless the student is pursuing a major accredited by the National Association of Schools of Music or by the Pennsylvania Department of Education which explicitly mandates more credit in a particular department). 'Subject area' is defined as the subject code listed in the course catalog,
- Satisfy major requirements,
- Fulfill all sections of the university Central Curriculum,
- Have a cumulative grade point average of 2.00 (C average) or better for all courses attempted at Susquehanna and a minimum cumulative grade point average of 2.00 (C average) for all courses in the major, unless the department has a higher standard (unless otherwise indicated in the departmental listings, every course applied to the major will be included in the major GPA calculation),
- Satisfy the university residence requirement, and
- Have program approval from his or her academic advisor and the Office of the Registrar.

Each student is responsible for ensuring the completion of all degree requirements. The university provides an automated degree audit program to help students chart their progress toward graduation and recommends that students periodically check their records and immediately bring any questions or concerns to the Office of the Registrar.

Residence Requirement

Baccalaureate candidates must take at least 62 semester hours of their total coursework, including 24 of their last 32 semester hours and their major capstone course and any other course a major program may designate, in residence or in approved off-campus programs. At least half the courses applied to a student's major or minor must also be taken in residence. The faculty or the Residence Waiver Committee as its designee must approve any variation from this policy.

Commencement

Candidates must declare their anticipated graduation date at least two semesters before they intend to graduate. The university holds one commencement ceremony in May of each academic year and expects graduating seniors to attend to receive their degrees. Susquehanna will award degrees in absentia only on approval of a written request addressed to the provost.

Students who are within eight semester hours of completing all requirements for graduation and who are in good academic standing are permitted to participate in commencement prior to completion of those requirements. Students who meet these qualifications should contact the Office of the Registrar by the end of February to confirm their participation. Students who attend May commencement prior to completion of requirements may not participate in the Celebration of Mid-Year Graduates held the following December.

Celebration of Mid-Year Graduates

In December of each year, Susquehanna hosts a Celebration of Mid-Year Graduates for students who completed their degree requirements in August or will complete all their degree requirements in December but did not participate in the previous May commencement. Students who are eligible to participate in the Celebration of Mid-Year Graduates may return for commencement the following May.

Second Bachelor's Degree

Students who have earned a bachelor's degree, whether from Susquehanna or from another institution, must fulfill the following requirements if they wish to enroll at Susquehanna for a second bachelor's degree:

- Be formally admitted to the bachelor's degree program at Susquehanna,
- Complete a minimum of 32 additional semester hours in current residency at Susquehanna,
- Satisfy all the current requirements for the Central Curriculum and for the chosen major, and
- Complete at least half of the coursework for the major, the major capstone course and any other course a major program may designate at Susquehanna.

Any coursework that a student has taken at another college or while earning a first bachelor's degree at Susquehanna must be approved by the appropriate department in order to be applied to the new major.

Susquehanna graduates who wish to complete a second major but who do not wish to earn a second degree need to notify the Office of the Registrar of their intention. Such students must satisfy all of the current requirements for the chosen major and must complete half of the coursework for the major at Susquehanna. Any coursework that the student has taken at another college or while earning a bachelor's degree at Susquehanna must be approved by the appropriate department in order to be applied to the new major. After the student has completed the second major, the double major will be recorded on the transcript, but another diploma will not be issued.

Dual Degree

Students who complete two majors may be awarded both degrees if they complete a total of 156 hours of coursework. A second degree presumes not just completion of a dual major but the completion of a greater amount of coursework than would be required by one degree. The additional coursework is also needed to give the breadth that a liberal arts education should provide. Students who complete two majors and who do not wish to take a total of 156 semester hours of coursework will be awarded one bachelor's degree.

Accelerated Degree

Most majors, with the exception of accounting, music and elementary education, adapt to Susquehanna's accelerated degree option, which allows highly motivated students to complete degree requirements in three or three and one-half years of study. To complete an accelerated degree, students plan carefully from the beginning to do the following:

- Earn exemption from some first-year courses through placement testing,
- Pursue course overloads when appropriate, and
- Add summer courses at modest cost.

For further details, please contact the Office of Admission.

Transcripts

The Office of the Registrar will issue official transcripts of the student's permanent academic record upon signed request through the National Student Clearinghouse.

Veterans

The Commonwealth of Pennsylvania has approved Susquehanna to provide education under the public laws pertaining to veterans, reservists and the children of armed forces personnel who lost their lives in the service of their country. Candidates should present certificates of eligibility and entitlement before registration. Veterans who come to the university without the appropriate certificates may apply after arrival through the Veterans Affairs webpage at **www.benefits.va.gov**.

Students who are eligible for Chapter 31 (Vocational Rehabilitation and Employment) or Chapter 33 (Post 9/11 GI Bill®)1 benefits, and who have provided a Certificate of Eligibility or Statement of Benefits to the VA Certifying Official, will not be penalized for any delayed disbursement of funds from the VA. Students will not be assessed late fees, denied access to institutional facilities, or be required to borrow additional funds. Eligible students must provide a Certificate of Eligibility or Statement of Benefits. In addition, a written request must be submitted each semester in which the student wants to have their enrollment verified with the VA.

To be eligible for full veterans' benefits, a student must be a degree candidate in good academic standing and must be actively enrolled in at least 12 semester hours at any point during the semester. Veterans must notify the associate registrar of re-enrollment at the beginning of each semester and of any course dropped later.

Susquehanna is a participant in the Yellow Ribbon GI Education Enhancement Program. The Yellow Ribbon program is a provision of the Post 9/11 Veterans Educational Assistance Act of 2008. This program allows institutions of higher learning in the United States to voluntarily enter into an agreement with the Veterans Administration (VA) to fund expenses up to the annual cap as determined by the VA each academic year. The institution can contribute up to 50 percent of any remaining tuition, and the VA will match the same amount as the institution. Contact the Office of the Registrar for information on Susquehanna's participation in the Yellow Ribbon program.

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1 "GI Bill®" is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at **www.benefits.va.gov/gibill**.

Services for Students with Disabilities

In compliance with the Americans with Disabilities Act of 1990 and section 504 of the Rehabilitation Act of 1973, the university makes efforts to provide reasonable accommodations for students with disabilities. To be considered for disability accommodations, students should forward recent documentation of their condition to the director of disability services. Full information about the required documentation and steps for obtaining accommodations is discussed in the disabilities policy available www.susqu.edu/academics/academic-resources/disability-services/.

The director of disability services coordinates the programs. The director of facilities management is responsible for physical facilities compliance with the Americans with Disabilities Act of 1990. The director of human resources is responsible for employment compliance.

Accommodations for the World Languages Requirement

Accommodations for the World Languages Requirement of the Central Curriculum are approved by the Office of Disability Services (ODS) on an individual basis through an interactive process between ODS and the student. It must be supported by documented effects of the student's disability. If a student is determined to be eligible, a world languages accommodation is approved by the ODS, which notifies the Registrar's Office and the student's academic advisor(s).

Once the World Languages Requirement Accommodation has been approved, students can substitute coursework related to cultural diversity in place of the University's world language requirements. The world language requirement is not simply waived. Students must still complete the same number of credits required to fulfill the University's world language graduation requirement. Therefore, students must complete two substitute courses.

Courses approved to meet the “Diversity” or “Diversity-Intensive” requirements of the University’s Central Curriculum may be used as a substitute. Students should work with their academic advisers to determine which approved courses are most appropriate to complete.

The Registrar’s Office will update the student’s academic records audit upon completion of an approved course to reflect the course substitution. If a substitute course is currently approved as a “Diversity” or “Diversity-Intensive” for the Central Curriculum, it may double count toward both the “World Language” and either the “Diversity” or “Diversity-Intensive” requirement. However, if the course fulfills other areas of the Central Curriculum in addition to “Diversity” or “Diversity Intensive,” it may not be used to fulfill any other Central Curriculum requirements. A “Diversity” or “Diversity Intensive” course that fulfills the requirements of a student’s major(s) and minor(s) cannot be used as a substitute course.

Transfer courses approved as “Diversity” or “Diversity Intensive” may be used as language substitution courses in keeping with the same standards outlined above.

Nondegree Students

Students not formally admitted as degree-seeking candidates may enroll in courses as nondegree students with the permission of the registrar. The registrar must approve the nature and amount of coursework based upon the student’s prior academic record. Nondegree students may be required to provide a transcript of all previous academic work, and they must maintain a cumulative grade point average of 2.0 or higher in their Susquehanna courses. If the cumulative GPA falls below this point, the university may refuse permission to pursue further coursework. Enrollment will be on a space-available basis only.

Nondegree students planning to attend the university later as degree candidates should consult the admission staff. This should be done as early as possible to assure proper guidance and to complete the admission process. Nondegree students who have completed 12 semester hours of coursework and who intend to become degree candidates must declare their intention and be properly advised before continuing to enroll in courses at Susquehanna. Students planning to transfer Susquehanna credits elsewhere should obtain prior clearance from the academic dean or registrar of the receiving institution.

Nondegree students are subject to all rules and regulations of the university. They will be graded on the same basis as degree candidates, and the Office of the Registrar will maintain a permanent academic record of all courses attempted or completed. If a student enters the university as a nondegree student and later becomes a degree candidate, the grades earned as a nondegree student are included in the GPA.

Semester Hour

A “semester hour,” used interchangeably for Susquehanna courses with “credit hour,” is a course unit normally involving three to four hours of student effort per week during a 14-week semester. This includes both in-class contact hours and out-of-class activities. The major parameters influencing the in-class/out-of-class division include the mode of instruction and the level of the course. A special or compressed term shall meet a number of hours per credit equivalent to a semester but in a compressed or extended time frame, as determined by the registrar in consultation with the provost.

Guide to Course Numbering

000-199	Introductory-level courses typically open to all students without prerequisites; primarily, though not exclusively, intended for first-year students with limited background in the subject area.
200-299	Courses that assume some level of previous study with prerequisites as applicable; primarily, though not exclusively, intended for sophomores or higher.
300-399	Courses intended for students with some knowledge of the subject and an intermediate level of college experience.
400-699	Courses intended for students with an advanced level of college experience.
700 and up:	Graduate level courses

Susquehanna University does not offer developmental or remedial courses.

Notification of Rights Under FERPA for Susquehanna University

The Family Educational Rights and Privacy Act (FERPA) affords eligible students certain rights with respect to their education records. (An “eligible student” under FERPA is a student who is 18 years of age or older or who attends a postsecondary institution at any age.) These rights include:

1. The right to inspect and review the student's education records within 45 days after the day the Susquehanna University receives a request for access. A student should submit to the Registrar, a written request that identifies the record(s) the student wishes to inspect. The school official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the school official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student’s education records that the student believes is inaccurate, misleading, or otherwise in violation of the student’s privacy rights under FERPA.

A student who wishes to ask Susquehanna University to amend a record should contact the Registrar’s Office, clearly identify the part of the record the student wants changed, and specify why it should be changed.

If Susquehanna University decides not to amend the record as requested, the student will be notified in writing of the decision and the student’s right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to provide written consent before Susquehanna University discloses personally identifiable information (PII) from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

Susquehanna University discloses education records without a student’s prior written consent under the FERPA exception for disclosure to school officials with legitimate educational interests. A school official typically includes a person employed by Susquehanna University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; or a student serving on an official committee, including but not limited to disciplinary or grievance committees, curriculum or advisory committees, etc. A school official also may include a volunteer or contractor outside of the university who performs an institutional service for which the school would otherwise use its own employees and who is under the direct control of the school with respect

to the use and maintenance of personally identifiable information (PII) from education records, such as an attorney, auditor, or collection agent or a student volunteering to assist another school official in performing his or her tasks. A school official typically has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibilities for the university.

The right to file a complaint with the U.S. Department of Education concerning alleged failures by Susquehanna University to comply with the requirements of FERPA. The name and address of theoffice that administers FERPA is:

Student Privacy Policy Office
U.S. Department of Education
400 Maryland Avenue, SW Washington, DC 20202

In addition, FERPA permits the disclosure of PII from students' education records, without consent of the student, if the disclosure meets certain conditions found in § 99.31 of the FERPA regulations. Except for disclosures to school officials, disclosures related to some judicial orders or lawfully issued subpoenas, disclosures of directory information, and disclosures to the student, § 99.32 of FERPA regulations requires the institution to record the disclosure. Eligible students have a right to inspect and review the record of disclosures. A postsecondary institution may disclose PII from the education records without obtaining prior written consent of the student —

- To other school officials, including teachers, within Susquehanna University whom the school has determined to have legitimate educational interests. This includes, but is not limited to: contractors, consultants, volunteers, or other parties to whom the school has outsourced institutional services or functions, provided that the conditions listed in § 99.31(a)(1)(i)(B)(1) - (a)(1)(i)(B)(3) are met. (§ 99.31(a)(1))
- To officials of another school where the student seeks or intends to enroll, or where the student is already enrolled if the disclosure is for purposes related to the student's enrollment or transfer, subject to the requirements of § 99.34. (§ 99.31(a)(2))
- To authorized representatives of the U. S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as a State postsecondary authority that is responsible for supervising the university's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of §99.35, in connection with an audit or evaluation of Federal- or State- supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of PII to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf. (§§ 99.31(a)(3) and 99.35)
- In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid. (§ 99.31(a)(4))
- To organizations conducting studies for, or on behalf of, the school, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction. (§ 99.31(a)(6))
- To accrediting organizations to carry out their accrediting functions. (§ 99.31(a)(7))
- To parents of an eligible student if the student is a dependent for IRS tax purposes.(§ 99.31(a)(8))
- To comply with a judicial order or lawfully issued subpoena. (§ 99.31(a)(9))
- To appropriate officials in connection with a health or safety emergency, subject to § 99.36. (§ 99.31(a)(10))
- Information the school has designated as "directory information" under § 99.37.(§ 99.31(a)(11))
  o Susquehanna University has designated the following as "directory information:" name, program, class, campus email address, home address, campus address, student activities, photographs, home telephone number, dates of attendance and graduation, degrees awarded, honors received, and other educational institutions attended.
  o The University maintains an online directory listing each student's name, program, class, and campus email address, as well as weight and height for varsity athletes.
  o The university may also release photographs of students for use in the news media and in university publications in printed, video and electronic formats.
  o Students may request that any or all of this information not be released by writing to the Registrar.
- To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of § 99.39. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding. (§ 99.31(a)(13))
- To the general public, the final results of a disciplinary proceeding, subject to the requirements of § 99.39, if the school determines the student is an alleged perpetrator of a crime of violence or nonforcible sex offense and the student has committed a violation of the school's rules or policies with respect to the allegation made against him or her. (§ 99.31(a)(14))
- To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the school, governing the use or possession of alcohol or a controlled substance if the school determines the student committed a disciplinary violation and the student is under the age of 21. (§99.31(a)(15))

Previous Catalogs

Official Archived Course Catalogs

Download the catalog from the academic year in which the student declared each major and/or minor.

- 2025-26 Undergraduate Course Catalog
- 2024-25 Undergraduate Course Catalog
- 2023-24 Undergraduate Course Catalog
- 2022-23 Undergraduate Course Catalog

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Dates in parentheses indicate the first year of service and year current position became effective.

- Dorothy M. Anderson, Dean of Students Emerita; B.A. 1962, Susquehanna University; M.A. 1964, Syracuse University. (1967, 2002)
- Karla G. Bohmbach, Professor Emerita of Religious Studies; B.A. 1983, St. Olaf College; M.A. 1991, Ph.D. 1996, Duke University. (1994, 2026)
- George C. Boone, Professor Emeritus of Biology; B.S. 1960, Lock Haven University; M.A. 1963, University of Kansas; Ph.D. 1978, West Virginia University. (1963, 2003)
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- David Bussard, Associate Professor Emeritus of Business; B.A. 1965, Bucknell University; MBA 1969, University of Michigan; Ph.D. 1991, University of Pennsylvania Wharton School of Business. (1978, 2015)
- Ronald A. Cohen, Vice President for University Relations Emeritus; B.A. 1992 Syracuse University (1991, 2018)
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- Rachana Sachdev, Associate Professor of English; B.A. 1982, M.A. 1986, M.Phil. 1989, Delhi University; Ph.D. 1995, University of Pennsylvania. (1994, 2001)
- Greg Severyn, Associate Professor of Spanish; B.A. 2008, Kent State University; M.A. 2011, Ph.D. 2017, University of North Carolina at Chapel Hill. (2018, 2023)
- Nabeel Siddiqui, Associate Professor of Communications; B.A. 2010, University of Southern Mississippi; M.A. 2011, George Mason University; Ph.D. 2018, College of William and Mary. (2020, 2026)
- Erin Nicole Smith, Associate Professor of Clinical Psychology; B.A. 2005, Susquehanna University; M.A. 2009, Ph.D. 2013, Kent State University. (2017, 2023)
- Craig Stark, Associate Professor of Communications; B.A. 1991, The University of North Texas; M.A. 1994, Stephen F. Austin State University; Ph.D. 2009, Pennsylvania State University. (2006, 2012)
- Derek J. Straub, Associate Professor of Earth & Environmental Sciences; B.S. 1994, Marquette University; M.S. 1998, Ph.D. 2002, Colorado State University. (2002, 2009)
- Mirta Suquet, Assistant Professor of Spanish; M.A. 2008, Ph.D. 2016, University of Santiago de Compostela. (2019, 2025)
- Megan L. Torres, Associate Professor of Spanish; B.S. 2005, University of Connecticut; M.A. 2007, Ph.D. 2012, University of Illinois at Champaign-Urbana. (2014, 2020)
- Betsy L. Verhoeven, Associate Professor of English; B.A. 1994, M.A. 2000, Oklahoma State University; Ph.D. 2005, University of Denver. (2009, 2015)
- Amy Voorhees, Associate Professor of Music; B.M. 1996, Simpson College; M.S.Ed. 2008, Drake University; D.M.A. 2018, Michigan State University. (2018, 2024)
- Michele Welliver, Associate Professor of Communications; B.A. 1989, Bloomsburg University; MBA 1994, Wilkes University; Ph.D. 2017, Pennsylvania State University. (2017, 2023)
- Jennifer Sacher Wiley, Associate Professor of Music; B.M. 1986, Oberlin Conservatory of Music; M.M. 1991, New England Conservatory of Music; D.M.A. 1998, University of Minnesota. (1997, 2003)
- Dana Zhang, Associate Professor of Accounting; B.B.A. 2011, Chinese University of Hong Kong; M.A. 2012, Ohio State University; Ph.D. 2017, University of Houston. (2017, 2023)
- Hualu Zheng, Associate Professor of Management and Marketing; B.S. 2006, Zhengzhou University; M.A. 2009, M.S. 2009, Mississippi State University; Ph.D. 2014, University of Connecticut. (2019, 2025)
- Silas Dent Zobal, Associate Professor of English & Creative Writing; B.A. 1997, DePaul University; MFA 2001, University of Washington; Ph.D. 2005, Binghamton University. (2009, 2015)

Assistant Professors

- Phillip Brogdon, Assistant Professor of Chemistry; B.S. 2011, Georgia Southern University; Ph.D. 2018, University of Mississippi. (2020, 2020)
- Sophia Buehrer, Assistant of Professor of French Studies; B.A. 2019, Carleton College; Ph. D., New York University. (2025, 2026)
- Loc Bui, Assistant Professor of Finance and Analytics; B.S. 2010 Banking University of Ho Chi Minh City; M.S. 2018 Hanken School of Economics, Helsinki; Ph.D. 2023, University of Nebraska – Lincoln. (2023, 2023)
- Sophie Charvet, Assistant Professor of Biology; B.S. 2008, McGill University, Canada; M.S. 2010, Université Laval, Canada; Ph.D. Université Laval, Canada 2013 (2022, 2022)
- Carol Xuanying Chen, Assistant Professor of Criminal Justice; dual B.A. 2017, Pennsylvania State University, M.A. 2020, Ph.D. 2024 University of Maryland. (2024, 2024)
- Madelyn Church, Visiting Assistant Professor of Psychology; B.S. 2020, University of North Carolina at Greensboro; M.A. 2024, Ph.D. 2026, University of Mississippi. (2026, 2026)
- Janice Clark, Assistant Professor of Political Science; B.A. 2004, Brown University; M.A. 2008, University of Denver; Ph.D. 2020, Indiana University. (2021, 2021)
- Mégane Coulon, Assistant Professor of African History; B.A. 2014, M.A. 2017 Université Paul Valéry, France; M.A. 2018, Sheffield Hallam University, UK; Ph.D. 2022 University of Worcester, UK. (2023, 2023)
- Kevin Crowe, Assistant Professor of Theatre; B.A. 1998, Stony Brook University; MFA 2003 Humboldt State University; M.S. 2010, Portland State University; Ph.D. 2017 University of Colorado, Boulder. (2023, 2023)
- Lauren Emick, Assistant Professor of Education; B.S. 2006, Messiah College; M. A. 2014, Geneva College; D.Ed. 2022, Indiana University of Pennsylvania. (2025,2025)
- Karly Etz, Assistant Professor of Art History; B.A. 2013, Denison University; M.A. 2015, Ph.D. 2023, Pennsylvania State University. (2024, 2025)
- Siobhan Fathel, Assistant Professor of Earth & Environmental Sciences; B.S., B.A. 2011, Susquehanna University; M.S. 2013, Ph.D. 2016, Vanderbilt University. (2023, 2023)
- Ordoitz Galilea, Assistant Professor of Sociology; B.A. 2009, Universidad Pública Navarra; M.A. 2013, The New School of Social Research, Ph.D. 2022, University of Connecticut. (2023, 2023)
- Zoe Gehman, Visiting Assistant Professor of Chemistry; B.S. 2019, Albright College; Ph.D. 2025, University of Virginia. (2026, 2026)
- Amira Hanafi, Assistant Professor of Digital Publishing and Writing; B.A. 2000, Rutgers University; M.F.A. 2008, School of the Art Institute of Chicago. (2025, 2025)
- Jimmy Henderson, Assistant Professor of Graphic Design; B.S., BFA 2011, Virginia Polytechnic Institute and State University; MFA 2019, Vermont College of Fine Arts; (2022, 2022)
- Baylee Hudgens, Assistant Professor of Sociology; B.A. 2019, Southern Illinois University Carbondale; M.S. 2021, Ph.D. 2026, Purdue University. (2026, 2026)
- Kate Huffer, Assistant Professor of Biology; B.A. 2015, Dartmouth College; Ph.D. 2023, Johns Hopkins University. (2026, 2026)
- Sean Ironman, Assistant Professor of Creative Writing; B.A. 2007, B.A. 2010, M.F.A. 2014, University of Central Florida, Ph.D. 2020, University of Missouri-Columbia. (2025, 2026)
- Kihun Kim, Assistant Professor of Real Estate; B.A., B.S. 2004, Sogang University, South Korea; M.S. 2007, University of Michigan; Ph.D. 2014, Rutgers University. (2024, 2024)
- Jennifer Lehmann, Visiting Assistant Professor of Religious Studies; B.A. 2013, Northeastern University; M.A. 2017, Ph.D. 2024, Graduate Theological Union. (2026, 2026)
- Zachary M. Levi, Assistant Professor of Music; B.M. 1998, Ithaca College; M.M 2001, University of Akron; D.M.A. 2019, Catholic University of America. (2022, 2022)
- YingYing Li, Assistant Professor of Marketing; B.S. 2010, M.S. 2015, South China University of Technology; MBA 2012, Pittsburgh State University; Ph.D. 2021 Oklahoma State University. (2023, 2023)
- Theresa Lopez, Assistant Professor of Philosophy; B.A. 2005, University of Maryland, Baltimore County; Ph.D. 2013, University of Arizona. (2019, 2019)
- Jessica J. Masterton, Assistant Professor in Publishing and Media Entrepreneurship; B.A. 2010, Cornell University; MFA 2016, University of Alabama; Ph.D. 2020, University of Cincinnati. (2022, 2022)
- Michael Mauro, Assistant Professor of Biology; B.S. 2015, Fairfield University; M.S. 2017, Ph.D. 2021, Yale University. (2025,2025)
- W. John Monopoli, Assistant Professor of Psychology; B.A. 2011, Dickinson College; M.A. 2013, State University of New York at Buffalo; Ph.D. 2020, Ohio University. (2021, 2021)
- Cindy Pan, Assistant Professor of Finance; B.B.A. 2019, M.B.A. 2020, Ph.D. 2024, University of Mississippi. (2024, 2024)
- Jungjun Park, Assistant Professor of Economics and Finance & Analytics; B.A. 2002, M.A. 2004, Yonsei University; M.A.2013, Vanderbilt University; Ph.D. 2020, Claremont Graduate University. (2026, 2026)
- Viet Tuan Pham, Assistant Professor of Accounting; B.S. B.A. 2016, M.Acc. 2016, University of Arkansas; Ph.D. 2020, University of Texas, San Antonio. (2022, 2022)
- Joanna Pishko, Assistant Professor of Management and Marketing; B.A. 2006, University of Texas at Austin; M.A. 2013, Ph.D. 2019, University of Houston. (2019, 2019)
- Stephen H. Robertson, Assistant Professor of Psychology; B.A. 2008, M.A. 2010, James Madison University; Ph.D. 2017, Idaho State University. (2022, 2022)
- Jennifer Rock, Assistant Professor of Theatre in Lighting Design; B.A. 2001, Susquehanna University; M.F.A. 2009, University of Connecticut. (2025, 2025)
- Steven Scheirer, Assistant Professor of Mathematics & Computer Science; B.S. 2013, Moravian University, M.S. 2015, Lehigh University, Ph.D. 2018 Lehigh University (2023, 2023)
- Rifat Sharmelly, Assistant Professor of Management; B.S., 2006 Multimedia University; M.S. 2010, Chalmers University of Technology; Ph.D. 2015, University of New South Wales. (2025, 2025)
- Samuel Silknetter, Visiting Assistant Professor of Biology; B.S. 2014, Susquehanna University; M.S. 2018, Clemson University; Ph.D., Virginia Polytechnic Institute and State University. (2025, 2025)
- Edgard Soares, Assistant Professor of Exercise Science; B.S. 2011, M.S. 2016, Universidade de Brasília. (2026, 2026)
- Amanda Russo Stante, Assistant Professor of Music; BFA 2007, Carnegie Mellon University; M.M. 2010, Indiana University Jacobs School of Music; D.M. 2016, Indiana University Jacobs School of Music. (2020, 2022)

- Grace Thaggard, Assistant Professor of Chemistry; B.S. 2021, University of Alabama, Birmingham; Ph.D. 2026, University of South Carolina, Columbia. (2026, 2026)
- Krista Troiani, Assistant Professor of Management; B.S., B.A. 2006, Bloomsburg University; MBA 2010, Wilkes University of Pennsylvania; Ph.D. 2022, Pennsylvania State University. (2024, 2024)
- Daniel Uncapher, Visiting Assistant Professor of Creative Writing, Nonfiction; B.A. 2012, University of Mississippi; M.F.A. 2018, University of Notre Dame; Ph.D. 2026, University of Utah. (2026, 2026)
- Nick Ungson, Assistant Professor of Psychology; B.S., B.A. 2010, University of Florida; M.A. 2014, New York University; M.S. 2015, Ph.D. 2019, Lehigh University. (2021, 2021)
- Anusha Veluswamy, Assistant Professor of Mathematics & Computer Science; B.E. 2009, Avinashilingam University for Women, India; M.E. 2011, Karpagam University, India; Ph.D. 2024, Anna University, India. (2023, 2024)
- Annie Wegrzyn, Assistant Professor of Psychology ; B.A. 2016, North Central College, M.A. 2019, Ph.D. 2023, DePaul University. (2023, 2023)
- Chanin Wendling, Visiting Assistant Professor of Management; B.A. 1991, Baldwin-Wallace College; M.A. 1993, Yale University, M.B.A. 2003, Auburn University. (2019, 2024)
- Michael Woody, Visiting Assistant Professor of Management; B.A. 2012, Temple University; M.B.A. 2014, Villanova University, D.B.A. 2024, Temple University. (2025, 2025)

Lecturers

- Linda H. Burkley, Lecturer in Communications; B.A. 1987, La Roche College; M.A. 2004, Duquesne University. (2008, 2013)
- John C. Foltz, Lecturer in Communications; B.M.Ed. 1973, Susquehanna University; M.A. 1981, Ithaca College. (2008, 2014)
- Basil Holobetz, Lecturer in Management; B.S. 1982, Villanova University; M.B.A 1984, Thunderbird School of Global Management. (2014, 2019)
- Callie Lythgoe, Lecturer in Theatre; B.F.A. 2020, Utah State University; M.F.A. 2023, University of Arkansas Fayetteville. (2023, 2025)
- April Rivers, Lecturer in Accounting; B.S. 1996, Iowa State University; M.S. 1998, American University; J.D. 2004, Duquesne University School of Law; L.L.M. 2022, Villanova University Charles Widger School of Law (2018, 2022)
- Lauren Elsasser Smith, Lecturer in Management and Marketing; B.S. 2013, Susquehanna University; MBA 2019, University of Indiana. (2019, 2023)

Senior Leadership

- Jonathan D. Green, President and Chief Executive Officer; B.Mus. 1985, State University of New York at Fredonia; M.Mus. 1987, University of Massachusetts at Amherst; D.M.A., 1992, University of North Carolina at Greensboro. (2017, 2017)
- Jennifer M. Bucher, Vice President for Operations; B.A. 2002, Juniata College; M.P.S. 2020, Cornell University. (2013, 2022)
- Malcolm L. Derk, Chief of Staff; B.A. 2005, Susquehanna University; MPA 2021, Fels Institute of Government at the University of Pennsylvania. (2005, 2022)
- Ed Engelbride, Interim Vice President for Enrollment; B.A 1982, M.S. 1987, State University of New York at Plattsburgh; Ph.D. 2007, University of Maryland at College Park. (2026)
- Jeffrey Listwak, Vice President for Finance; B.S. 1991, Indiana University of Pennsylvania; M.B.A 2012, University of Pittsburgh. (2022, 2022).
- Patrick Long, Dean of the School of Arts and the School of Humanities; B.M. 1991, Syracuse University; M.M. 1993, D.M.A. 1996, Eastman School of Music. (2000, 2025)
- Aaron Martin, Vice President for Marketing & Communications; B.A. 1991, University of Louisiana Lafayette; M.S. 1995, University of Louisiana Lafayette. (2018, 2018)
- María Muñoz, Vice President for Inclusion & Belonging; Associate Professor of History; B.A. 2001, University of La Verne; M.A. 2004, University of Nebraska-Lincoln; Ph.D. 2009, University of Arizona. (2009, 2026)
- Dave Ramsaran, Provost & Dean of the Faculty; B.S. 1986, M.S. 1990, The University of the West Indies; Ph.D. 1998, American University. (2000, 2019)
- Matthew C. Rousu, Dean, Sigmund Weis School of Business; Professor of Economics; B.S. & B.A. 1998, University of South Dakota; Ph.D. 2002 Iowa State University of Science. (2007, 2018)
- Katherine H. Straub, Dean, School of Natural & Social Sciences; Professor of Earth and Environmental Sciences; A.B. 1994, Harvard University; M.S. 1999, Ph.D. 2002, Colorado State University. (2002, 2021)

Administrative Leadership

- Bhavani Ali, Senior Director of Student Support & Development Services; B.A. 2004, University of California Berkeley; M.A. 2006, Alliant International University San Diego. (2022, 2025)
- Christopher J. Bailey, Assistant Vice President for Facilities & Campus Safety; B.S. 1994, M.S. 2002, University of Pittsburgh; MBA 2006, Wilkes University. (2010, 2021)
- Danielle D. Brown, Associate Provost of Institutional Effectiveness, Assessment, and Strategic Initiatives; B.A. 2003, American University; M.A. 2005, Ph.D. 2007, University of Louisville. (2020, 2024)
- Kris Brown, Director Campus Safety; B.S. 1996, Towson University; M.Div. 2004, Lutheran Theological Seminary. (2021,2023)
- Simon Corby, Associate Vice President of Campaigns; B.A. 1996, University of Lincoln (UK); M.S. 1998, Bucknell University. (2022, 2025)
- Barbara E. Dennen, Senior Director of Finance; B.S. 1986, Bloomsburg University, MBA 2017, Shippensburg University. (2004, 2023)
- Katie Erdley, Senior Director of Student Financial Services; B.A. 2005, Pennsylvania State University. (2007, 2024)
- Kaitlyn Fabian, Director of Student Health Center; A.A.S. 2014, Pennsylvania College of Health Sciences; B.S.N. 2016, Ohio University; M.S.N. 2021, Frontier Nursing University. (2024, 2024)
- Allie Grill, Senior Director of Career Development Center; B.A. 2010, Bucknell University; M.S. 2012, Miami University. (2016, 2026)
- Katie Grooms, Director of Residence Life; B.A. 2007, Case Western Reserve University; M.Ed. 2009, University of South Carolina Columbia. (2022, 2022)
- Michelle Harman, Director of Event Management. (2019, 2019)
- Kirk Harris, Associate Dean of Global Programs; Associate Professor of Political Science; B.A. 2006, Whitworth University; Ph.D. 2017 Indiana University. (2017, 2025)
- Sharief Hashim, Director of Athletics; B.S. 2008, Columbia Union College; M.S. 2016, Southern New Hampshire University. (2020, 2020)
- Lauren Crouse, Interim Director of Leadership & Engagement; B.S. 2017, Pennsylvania College of Technology; M.A. 2019, Montclair State University. (2021, 2026)

- Jessica L. Manno, Dean of Students; B.S. 2001, Pennsylvania State University; M.Ed. 2003, James Madison University. (2022, 2025)
- Virginia Motyka, Senior Director of the Center for Academic Success; B.A. 2008, Bloomsburg University; M.Ed. 2012, Bloomsburg University. (2021, 2021)
- Paula MacDonald, Chief Human Resources Officer, B.S. 1996, Syracuse University. (2026)
- Stacey Pearson-Wharton, Dean of Health & Wellness; Director of Counseling Center; B.A. 1990, Norfolk State University; M.A. 1992, Indiana University of Pennsylvania; Ph.D. 1999, Pennsylvania State University. (2015, 2017)
- Jeannette M. Rork, Registrar; B.A. 1990, University of North Carolina-Greensboro; M.A. 2012, Wake Forest University. (2021, 2021)
- Melissa Salazar, Associate Vice President of Advancement; B.A. 1997, University of California, Los Angeles. (2024, 2024)
- Dena Salerno, Senior Director of Culture & Belonging; B.A. 1988, Eastern University; M.S.Ed. 1991, Bucknell University. (2008, 2021)
- Jennifer Servedio, Chief Information and Security Officer; B.T. 2006, Morrisville State College; M.S. 2018, Syracuse University. (2019, 2022)
- Robert Sieczkiewicz, Director of the Blough-Weis Library; Associate Professor; B.A. 1991, Hampshire College; M.A. 1998, University of Massachusetts Boston; M.S. 2011, Drexel University. (2015, 2019)
- Jennifer Spotts, Senior Director of Strategic Communications; B.A. 2000, Susquehanna University. (2019, 2019)
- Jessica Sullivan, Assistant Vice President of Admission; B.A. 2000, St. Lawrence University. (2014, 2022)
- Tammy Womer, Assistant Director of Facilities Management (2006, 2024)

Accounting Department

Faculty

Michael E. Ozlanski, Ph.D., Associate Professor of Accounting, department head

Andrew Felo, Ph.D., Associate Professor of Accounting

Bo Liu, Ph.D., Associate Professor of Accounting

Dana Zhang, Ph.D., Associate Professor of Accounting

Jie Hao, Ph.D., Associate Professor of Accounting

Viet Tuan Pham, Ph.D., Assistant Professor of Accounting

April Rivers, L.L.M., Lecturer in Accounting

Programs

Accounting (BS)

About the Program

Program Title
Accounting (BS)

Degree
Bachelor of Science

Program Code
ACCT.BS

Program Description
A major in accounting requires the successful completion of the Business Foundation and the accounting courses listed below. No grade below a C- will be accepted toward graduation for foundation courses. Students who earn a grade below C- in a foundation course must retake the course during the next semester that it is offered.

The accounting course descriptions (provided below) identify course prerequisites. The catalog also suggests an order for completing courses within the Business Foundation and the accounting major.

First-semester students in the Sigmund Weis School of Business also enroll in MGMT-196 Global Business Perspectives (four semester hours). This course provides an introduction to liberal studies and college life, an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the University's Central Curriculum.

Learning Goals
- Analyze risks using appropriate frameworks and professional judgment related to the use of accounting information
- Identify and apply appropriate professional frameworks to record transactions and communicate accounting information
- Identify and utilize relevant technology and tools to efficiently and effectively perform data analysis
- Apply standards of professional conduct

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Departmental honors requirements
The departmental honors program encourages and recognizes superior academic performance in accounting. To graduate with departmental honors, candidates must complete the following:
• Apply for and be accepted into the program during their junior year,
• Maintain a GPA of 3.50 in the department and 3.50 overall,
• Submit a satisfactory research paper based on the completion of 4 semester hours of ACCT-502 during their senior year, and
• Present their research to the faculty and at Senior Scholars Day.
Departmental honors may be taken separately from or in conjunction with the University's Honors Program.

Major in Accounting

A major in accounting requires the successful completion of the Business Foundation and the accounting courses listed below. No grade below a C- will be accepted toward graduation for foundation courses. Students who earn a grade below C- in a foundation course must retake the course during the next semester that it is offered.

The accounting course descriptions identify course prerequisites. The catalog also suggests an order for completing courses within the Business Foundation and the accounting major.

First-semester students in the Sigmund Weis School of Business also enroll in MGMT-196 Global Business Perspectives (four semester hours). This course provides an introduction to liberal studies and college life, an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the University's Central Curriculum.

CPA Licensure and Credit Hour Requirements

Accounting majors who intend to pursue licensure as a Certified Public Accountant (CPA) should be aware that CPA licensure requirements are established by individual state boards of accountancy. Many states, including Pennsylvania, provide two primary pathways to licensure:

· Completion of 120 semester hours of college-level education, successful completion of the CPA examination, and two years of relevant professional experience; or

· Completion of 150 semester hours of college-level education, successful completion of the CPA examination, and one year of relevant professional experience.

Students planning to pursue CPA licensure are strongly encouraged to discuss their goals early with their academic advisor. Accounting majors at Susquehanna University work closely with advisors to select a pathway aligned with their professional objectives. Students pursuing the 150-credit pathway typically earn the necessary credits through a combination of additional regular-semester coursework and completion of a credit-bearing internship experience during their four years at the university.

Students apply for CPA candidacy in the state where they intend to practice and are responsible for understanding the requirements of their anticipated licensing jurisdiction.

Program Requirements

Requirements

Business Foundation Courses

Complete one of the following Introduction to Business classes:

4	MGMT-196 Global Business Perspectives
2	MGMT-138 Fundamentals of Business

Complete one of the following statistics classes:

4	MATH-108 Introduction to Statistics
4	MATH-180 Statistical Methods
4	MGMT-202 Business Statistics
4	PSYC-123 Statistics for the Behavioral Sciences

Required courses:

4	ACCT-200 Financial Accounting
4	ACCT-210 Legal Environment
4	ACCT-230 Managerial Accounting
4	BSAN-174 Data Collection and Modeling
4	BSAN-472 Data Insight and Visualization
4	ECON-201 Principles of Macroeconomics
4	ECON-202 Principles of Microeconomics
4	FINC-340 Corporate Financial Management

2 MGMT-105 Introduction to Professional Development

4 MGMT-240 Principles of Management

4 MGMT-400 Business Policy and Strategy

4 MKTG-280 Marketing

Requirements for the Major in Accounting

2 ACCT-220 Introduction to Taxation

4 ACCT-301 Intermediate Accounting I

4 ACCT-302 Intermediate Accounting II

2 ACCT-305 Federal Taxation

4 ACCT-309 Accounting Information Systems

4 ACCT-415 Advanced Accounting

4 ACCT-420 Auditing

4 ACCT-430 Advanced Managerial and Cost Accounting

To satisfy the major course requirements, courses must be completed with a grade of C- or better. An accounting student must take at least 50 percent of these courses at Susquehanna.

Accounting Minor

About the Program

Program Title
Accounting Minor

Program Code
MINR.ACCT

Program Description
The minor in accounting enables students to enhance their career path through advanced studies in the accounting discipline.

Double-counting Restriction
Only 8 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
To complete the minor, students must have a GPA of at least 2.00 in the minor coursework and no grade below a C-.

The following courses are required:

4 ACCT-200 Financial Accounting

4 ACCT-230 Managerial Accounting

4 ACCT-301 Intermediate Accounting I

Students then select 12 semester hours from the following:

2 ACCT-220 Introduction to Taxation

4 ACCT-302 Intermediate Accounting II

2 ACCT-305 Federal Taxation

4 ACCT-309 Accounting Information Systems

4 ACCT-415 Advanced Accounting

4 ACCT-420 Auditing

4 ACCT-430 Advanced Managerial and Cost Accounting

2-4 ACCT 496 Topics in Accounting

Courses

ACCT200 - Financial Accounting

Course Details

Subject Code
ACCT

Course Number
200

Department(s)
Accounting

Course Title
Financial Accounting

Course Description
Provides an introduction to the basic concepts and standards underlying financial accounting systems. Focuses on recording and communicating financial information for use by investors, creditors, regulators, and other external uses. Covers theoretical and practical issues related to the accounting and reporting of assets, liabilities, owners' equity, revenues, expenses, gains, and losses. Basic financial ratios are introduced and interpreted. Prerequisites: School of Business major or sophomore standing. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT210 - Legal Environment

Course Details

Subject Code
ACCT

Course Number
210

Department(s)
Accounting

Course Title
Legal Environment

Course Description
The legal environment as it relates to business. Considers essential elements of consumer protection law, employment law, environmental regulation, court procedures, torts, introduction to contracts, agency law and selected laws regarding corporations. Prerequisite: Sophomore standing. 4 SH. CC: Ethics Intensive, Interdisciplinary.

Course Types
Standard (STAND), Ethics Intensive (INETH), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

ACCT220 - Introduction to Taxation

Course Details

Subject Code
ACCT

Course Number
220

Department(s)
Accounting

Course Title
Introduction to Taxation

Course Description
This course covers fundamental knowledge of basic federal income tax principles and concepts. Topics include gross income inclusions and exclusions, adjusted gross income, deductions, filing status, sales and exchanges of property, tax credits, and capital gains and losses. Basic Pennsylvania tax principles and concepts are also addressed. Students learn strategies for basic tax planning and tax research, and the course is designed to qualify students as VITA (Voluntary Income Tax Assistance) volunteers. Prerequisite: ACCT-200. 2 SH

Course Types
Standard (STAND), Service Learning (SERVE)

Semester Hours

Semester Hours:
2

ACCT230 - Managerial Accounting

Course Details

Subject Code
ACCT

Course Number
230

Department(s)
Accounting

Course Title
Managerial Accounting

Course Description
Provides an introduction to the fundamental concepts and commonly used tools in managerial accounting. Focuses on how to identify, measure, analyze, and interpret accounting information from the managers' perspective. Topics include traditional and emerging costing systems, cost behaviors, cost-volume-profit analysis, variance analysis, performance evaluation, and management decision making. Prerequisites: ACCT-200. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT301 - Intermediate Accounting I

Course Details

Subject Code	Course Number	Department(s)
ACCT	301	Accounting

Course Title
Intermediate Accounting I

Course Description
This course provides an introduction to the conceptual framework of financial accounting and in-depth coverage of reporting issues related to operating activities of business enterprises. Covers the preparation, presentation, and interpretation of the financial statements, with emphasis on revenue recognition, cash, receivables, inventory, and long-term assets. Students also gain an understanding of the standard setting process and the codification system of the Financial Accounting Standard Board (FASB). Prerequisite: ACCT-200. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT302 - Intermediate Accounting II

Course Details

Subject Code	Course Number	Department(s)
ACCT	302	Accounting

Course Title
Intermediate Accounting II

Course Description
Continuation of ACCT-301, emphasizing accounting and reporting issues for investing and financing activities of a business enterprise. Additional coverage of the latest developments in financial accounting. Prerequisite: ACCT-301. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT305 - Federal Taxation

Course Details

Subject Code	Course Number	Department(s)
ACCT	305	Accounting

Course Title
Federal Taxation

Course Description
This course is a continuation of ACCT-220. Technical tax topics are covered in greater detail, and students learn how to prepare tax returns using a computerized tax return preparation program. Students complete case studies that enable them to recognize and research tax issues, and they develop an ability to recognize, interpret and weigh the various and often conflicting sources of the tax law. Pre- or co-requisite: ACCT-220. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

ACCT309 - Accounting Information Systems

Course Details

Subject Code	Course Number	Department(s)
ACCT	309	Accounting

Course Title
Accounting Information Systems

Course Description
This course increases students' understanding of the documentation, flow, and control of financial information from its initiation at the business document and transaction level to its summarization in the financial statements. Students also improve their understanding of the basic internal control concepts and their reading and interpretation of accounting system flowcharts. This course also covers small business accounting using QuickBooks software. Topics include creating a chart of accounts, recording customer and vendor transactions, printing reports, and preparing bank reconciliations. Prerequisite: ACCT-200. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT310 - Advanced Business Law

Course Details

Subject Code
ACCT

Course Number
310

Department(s)
Accounting

Course Title
Advanced Business Law

Course Description
A study of contracts, employment law, anti-trust law and commercial transactions. Includes negotiable instruments, sales, creditors' rights, personal property and bailments. Prerequisite: ACCT-210. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

ACCT340 - Governmental & Non-Profit Accounting

Course Details

Subject Code
ACCT

Course Number
340

Department(s)
Accounting

Course Title
Governmental & Non-Profit Accounting

Course Description
Introduction to the theory and practice of accounting for nonprofit organizations, such as government operations, hospitals, colleges and arts facilities. Includes budgeting as well as bookkeeping and reporting practices. (Offered in alternate years.) Prerequisite: ACCT-200. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

ACCT345 - Entrepreneurial Finance and Accounting

Course Details

Subject Code
ACCT

Course Number
345

Department(s)
Accounting

Course Title
Entrepreneurial Finance and Accounting

Course Description
This course introduces the student to entrepreneurial finance and accounting topics, which are essential for the financial management of early-stage companies. The course topics include preparing financial projections, analyzing financial performance, managing cash flow, accessing investment and cash for business growth and determining the potential financial feasibility of new and growing ventures. This course is designed for students interested in pursuing entrepreneurial activity or financing ventures. Prerequisites: ACCT-200. 4SH.

Semester Hours

Semester Hours:
4

ACCT375 - Real Estate Law

Course Details

Subject Code
ACCT

Course Number
375

Department(s)
Accounting

Course Title
Real Estate Law

Course Description
This course provides an in-depth examination of the legal principles that govern real estate transactions. The course will cover the legal framework for property ownership, land use, financing, and leasing. Students will learn about the different types of legal instruments used in real estate transactions, including contracts, deeds, and mortgages. The course will also cover the regulatory environment for real estate, including zoning, differences in laws across states environmental law, and fair housing regulations. Pre-requisites: ACCT-210. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT405 - Federal Taxes II

Course Details

Subject Code
ACCT

Course Number
405

Department(s)
Accounting

Course Title
Federal Taxes II

Course Description
This course is a continuation of ACCT-305. Topics include the taxation of corporations and partnerships, estate and gift taxation, tax practice and procedure, and other topics likely to appear on the CPA exam. Students also complete a tax research project. Prerequisite: ACCT-305. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

ACCT415 - Advanced Accounting

Course Details

Subject Code
ACCT

Course Number
415

Department(s)
Accounting

Course Title
Advanced Accounting

Course Description
This course provides accounting students with the theoretical, conceptual and technical foundation necessary to prepare and analyze consolidated financial statements and state and local governmental financial statements. Other topics will include foreign currency transactions and translation, derivatives and hedge accounting, and interim and segment reporting. This is an applied course focusing on the development of knowledge and skills through extensive practice. Prerequisite: ACCT-302. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT420 - Auditing

Course Details

Subject Code
ACCT

Course Number
420

Department(s)
Accounting

Course Title
Auditing

Course Description
Provides an introduction to the theoretical and conceptual foundations of financial statement auditing. Topics include risk assessments, evidence collection and evaluation, sampling techniques, and reporting. Covers professional standards, the regulatory environment as well as the duties and responsibilities of certified public accountants. Emphasizes the application and emerging technologies that increase the effectiveness and efficiency of assurance services. Prerequisites: ACCT-309 and ACCT-302. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT425 - Tax Practicum

Course Details

Subject Code
ACCT

Course Number
425

Department(s)
Accounting

Course Title
Tax Practicum

Course Description
Students build on the tax accounting principles learned in previous courses and prepare tax returns through the VITA (Voluntary Income Tax Assistance) Program. This course enables students to address community-identified needs while developing their academic skills and commitment to their community. Students will pass exams for the Volunteer Income Tax Assistance (VITA) program, research and analyze emerging tax issues, assist individuals with completing their federal, state, and local income tax returns, maintain the highest degree of professional ethics and confidentiality, and engage in critical reflection of their service learning experiences. Prerequisite: ACCT-220. 4 SH.

Course Types
Standard (STAND), Service Learning (SERVE)

Semester Hours

Semester Hours:
4

ACCT430 - Advanced Managerial and Cost Accounting

Course Details

Subject Code
ACCT

Course Number
430

Department(s)
Accounting

Course Title
Advanced Managerial and Cost Accounting

Course Description
Extended study of traditional managerial accounting concepts involving cost systems, budgeting, performance and variance analysis, behavior accounting, break-even and capital budgeting models, and direct cash flow statements. Introduction to more recently developed cost management topics, including the theory of constraints, activity-based costing/management, target costing, backflushing, learning curves, stochastic models and extension of capitalbudgeting models. Prerequisites: ACCT-230 and junior standing. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ACCT496 - Topics in Accounting

Course Details

Subject Code
ACCT

Course Number
496

Department(s)
Accounting

Course Title
Topics in Accounting

Course Description
Topics of current importance and interest in accounting. Emphasizes readings from the current literature. Prerequisites: ACCT-200. 1-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ACCT501 - Independent Study

Course Details

Subject Code
ACCT

Course Number
501

Department(s)
Accounting

Course Title
Independent Study

Course Description
Individualized academic work for qualified students under faculty direction. Usually studies special topics not covered in regularly offered courses. Prerequisites: Junior or senior standing and approval of instructor and department. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ACCT502 - Senior Research

Course Details

Subject Code
ACCT

Course Number
502

Department(s)
Accounting

Course Title
Senior Research

Course Description
An extensive accounting-related research project under faculty supervision. Prerequisites: Senior standing, formal proposal statement before registration, acceptance by faculty supervisor and department head's permission. 2-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ACCT503 - Internship

Course Details

Subject Code	Course Number	Department(s)
ACCT	503	Accounting

Course Title
Internship

Course Description
A learning experience that cultivates a student's academic and professional development through valuable work experience and the integration of classroom-acquired knowledge by working at a public accounting firm, corporation, governmental agency, or nonprofit organization. Prerequisites: Approval by the SWSB Internship Coordinator and acceptance by the organization. Graded on an S/U basis. 2 or 4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

Africana Studies Department

Faculty Coordinator

Monica Prince, MFA, Associate Professor of English & Creative Writing, Director

Programs

Africana Studies Minor

About the Program

Program Title
Africana Studies Minor

Program Code
MINR.AFRC

Program Description
This is an interdisciplinary minor.

Learning Goals
- Demonstrate the ability to analyze the cultural, historical, political, and social aspects of the African Diaspora.
- Possess the critical vocabulary and concepts with which to describe and interpret the lived experience of people of the African Diaspora.
- Demonstrate an understanding of the interdisciplinary character of the field.

Double-counting Restriction
Only 4 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
Students are encouraged to fulfill their Global Opportunities requirement by spending time immersed in cultures of the African continent and diaspora, for example GO Short or Long programs in South Africa, Morocco, Kenya, the Caribbean or New Orleans.

The Africana Studies minor completes, with a grade of C- or better, AFRC-101 Introduction to Africana Studies and at least 16 semester hours in the following courses or other courses approved by the program coordinator. Students consult with a minor advisor to select courses and are expected to take a balance of upper- and lower-level courses. At least three of these courses must be at the 200-level or higher.

AFRC-101 Introduction to Africana Studies

AFRC-260 The Choreopoem

ENGL-245 Studies in Comparative Literatures of the Americas (Multicultural/ Non-Western)

ENGL-250 World Literature (when offered as African Literature)

HIST-115 African-American History

HIST-171 African Civilization

HIST-172 Early Modern Africa

HIST-180 Latin American Colonization and Resistance

HIST-181 Revolution and Identity in Latin America

HIST-314 The Long Civil Rights Movement

HIST-390 Topics in History (when offered as Violence, Terror and Race)

MUSC-102 A Study of Jazz

PHIL-150 Race, Class, and Ethics

PHIL-212/WGST-200 Feminist Philosophy

PHIL-214 Black Existentialism

PHIL-255 Plato's Republic and HBO's "The Wire"

PHIL-305 Topics in Philosophy (when offered as Philosophy of Race or Race and Reality)

POLI-320 African Politics

POLI-324 Democratization

PSYC-350 Psychology, Culture, and Ethnicity

SOCI-309 Black Feminism I

SOCI-316 Social Justice

SOCI-413/ANTH-413 Critical Race Theory

THEA-254 Race and Identity on the American Stage

Courses

AFRC101 - Introduction to Africana Studies

Course Details

Subject Code	Course Number	Department(s)
AFRC	101	Africana Studies

Course Title
Introduction to Africana Studies

Course Description
The course explores the emergence of three related fields of inquiry-African Studies, African American Studies, and African Diaspora Studies-and is divided into three modules that correspond to each of these fields. Often regrouped within what has been called "Africana Studies," scholars in these fields pursue a broad range of questions such as the relationship between blackness and modernity, the politics of post-coloniality, and the construction of diasporic identity. This course engages the key debates in Africana studies through exploring the contributions of various disciplines to the development of the field, with a strong emphasis on anthropological knowledge. CC: Diversity. 4 SH.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

AFRC260 - The Choreopoem

Course Details

Subject Code	Course Number	Department(s)
AFRC	260	Africana Studies

Course Title
The Choreopoem

Course Description
Inspired by the original choreopoem by Ntozake Shange, this course introduces the choreopoem form, investigating the concept of the living text as it applies to collaboration across multiple disciplines. Using literary analysis, creative writing, and theatre, students research the choreopoem form, write one as a class, and publicly perform it, reflecting on the tension of intention vs. impact in performance spaces. Same as WRIT-260 and THEA-260. Sophomore or higher standing required. 4 SH. CC: Interdisciplinary, Diversity Intensive.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

Art & Design Department

Faculty

Ann Piper, MFA, Professor of Art, department head

Amanda Lenig, MFA, Associate Professor of Graphic Design

Jimmy Henderson, MFA, Assistant Professor of Graphic Design

Susquehanna University

Karly Etz, Ph.D., Assistant Professor of Art History

Programs

Art History (BA)

About the Program

Program Title
Art History (BA)

Degree
Bachelor of Arts

Program Code
ARTHIST.BA

Program Description
Art History

Learning Goals
- Art History majors develop an awareness of art history worldwide, from prehistoric times to contemporary era, and gain extensive knowledge of at least one specific cultural period
- Art History majors reveal an understanding of art in context, as well as key theories and methodologies specific to the discipline
- Art History majors demonstrate critical thinking and visual analysis skills in written form

Double-counting Restriction
- Students may double count 16 SH B.A. to B.A.;
- Students may double count 8 SH department minor to B.A. or BFA;
- Students may double count 4 SH department minor to department minor;
- Students may not have a photography minor and a studio art major;
- Students may not have a B.A. and BFA within the department.

Students in the Art and Design Department may, with department head approval, complete more than one major and/or minor in the department.

Departmental honors requirements
The department awards honors status for graduation for students receiving a 3.70 or higher GPA in the studio art, graphic design or art history major.

Off-Campus Study
Junior and senior studio art and art history majors are encouraged to spend a semester studying away from campus as part of the university's GO program. Susquehanna studio art and art history majors also have access to art centers all over Europe, particularly in London, Florence, the south of France and Paris. Others may choose extended off-campus study in New York or Washington, D.C. This experience enriches the artistic spirit and opens up avenues for future careers. Students with modern language interests can combine language and art studies abroad.

Art History, Studio Art and Graphic Design Internships
The department encourages its majors to complete internships, which provide a valuable introduction to the professional art world. Studio art and art history majors typically complete internships at museums and galleries, while graphic design majors are expected to pursue internships at design firms, publishing houses and advertising agencies. All students may receive major credit for approved internships.

Program Requirements

Requirements
The Bachelor of Arts in art history requires 48 semester hours in art history and studio art with grades of C- or better.

12 Art History Requirements

4 ARTH-101 Introduction to World Art I: Prehistory to 1400

4 ARTH-102 Introduction to World Art II: 15th to 20th Century

4 ARTH-403 Senior Thesis

28 Art History Electives

Choose elective art history courses selected with faculty advisor guidance (may include internship or independent study credit).

8 Studio Art Electives:

Choose two studio art courses (ARTS-111 Foundations of Art I and a photography course are recommended).

Reading knowledge of a second language is helpful for undertaking research in non-English scholarship.

Graphic Design (BFA)

About the Program

Program Title
Graphic Design (BFA)

Degree
Bachelor of Fine Arts

Program Code
GRPH.BFA

Program Description
Graphic Design BFA

Learning Goals
- Graphic Design BFA majors prepare an industry relevant portfolio that successfully demonstrates readiness to enter the creative industry at the entry level
- Graphic Design BFA majors can clearly articulate their creative process and critical thinking abilities relative to their educational experience
- Graphic Design BFA majors are proficient in baseline industry standard software applications

Double-counting Restriction
- Students may double count 16 SH B.A. to B.A.;
- Students may double count 8 SH department minor to B.A. or BFA;
- Students may double count 4 SH department minor to department minor;
- Students may not have a photography minor and a studio art major;
- Students may not have a B.A. and BFA within the department.

Students in the Art and Design Department may, with department head approval, complete more than one major and/or minor in the department.

Departmental honors requirements
The department awards honors status for graduation for students receiving a 3.70 or higher GPA in the studio art, graphic design or art history major.

Art History, Studio Art and Graphic Design Internships
The department encourages its majors to complete internships, which provide a valuable introduction to the professional art world. Studio art and art history majors typically complete internships at museums and galleries, while graphic design majors are expected to pursue internships at design firms, publishing houses and advertising agencies. All students may receive major credit for approved internships.

Program Requirements

Requirements
The BFA in Graphic Design requires 72 hours of Department of Art and Design courses with grades of C- or better.

24 Department of Art and Design Requirements:

4 ARTH-101 Introduction to World Art I or ARTH-102 Introduction to World Art II

4 ARTS-111 Foundations of Art I

4 ARTS-112 Foundations of Art II

4 ARTS-113 Drawing

4 ARTS-243 Digital Photography

4 ARTH-300 or higher Art History Elective chosen from the following:

ARTH-303 Socially Engaged Art Practice

ARTH-310 Modernism and the Avant-garde

ARTH-313 Women in Art

ARTH-412 Contemporary Art

36 Graphic Design Requirements:

4 ARTG-251 Computer Applications in Graphic Design

4 ARTG-252 Visual Communication

4 ARTG-253 Typography

4 ARTG-352 Package Design

4 ARTG-354 Interactive Graphic Design I

4 ARTG-355 Brand Identity Design

4 ARTG-451 Graphic Design Studio

4 ARTG-453 Publication Design

4 ARTG-454 Interactive Graphic Design II

12 Electives

Choose from ARTG, ARTH, or ARTS courses, including ARTS 400 Independent Study and ARTS 404 Internship.

Graphic Design (BA)

About the Program

Program Title
Graphic Design (BA)

Degree
Bachelor of Arts

Program Code
GRPHDS.BA

Program Description
The Bachelor of Arts in Graphic Design is a liberal arts program intended for those who are interested in graphic design but unsure if they wish to pursue a career in the field. Students are strongly encouraged to double-major with a related program, such as Marketing, Editing and Publishing, Luxury Brand Management & Marketing & Management, Creative Writing, or Communications-Advertising. Many other combinations are possible. Admission to the program does not require a portfolio, but those seeking to transfer to the BFA in Graphic Design program may only do so with approval.

Double-counting Restriction
- Students may double count 16 SH B.A. to B.A.;
- Students may double count 8 SH department minor to B.A. or BFA;
- Students may double count 4 SH department minor to department minor;
- Students may not have a photography minor and a studio art major;
- Students may not have a B.A. and BFA within the department.

Students in the Art and Design Department may, with department head approval, complete more than one major and/or minor in the department.

Departmental honors requirements
The department awards honors status for graduation for students receiving a 3.70 or higher GPA in the studio art, graphic design or art history major.

Art History, Studio Art and Graphic Design Internships
The department encourages its majors to complete internships, which provide a valuable introduction to the professional art world. Studio art and art history majors typically complete internships at museums and galleries, while graphic design majors are expected to pursue internships at design firms, publishing houses and advertising agencies. All students may receive major credit for approved internships.

Program Requirements

Requirements
The Bachelor of Arts in Graphic Design is a liberal arts program intended for those who are interested in graphic design but unsure if they wish to pursue a career in the field. Students are strongly encouraged to double-major with a related program, such as Marketing, Editing and Publishing, Luxury Brand Marketing & Management, Creative Writing, or Communications-Advertising. Many other combinations are possible. Admission to the program does not require a portfolio, but those seeking to transfer to the BFA in Graphic Design program may only do so with approval.

20 Department of Art Requirements

4 ARTH-101 Introduction to World Art I: Prehistory to 1400

or ARTH-102 Introduction to World Art II: 15th to 20th Century

4 ARTS-111 Foundations of Art I

4 ARTS-113 Drawing or ARTS-243 Digital Photography

4 ARTH-300 or higher Art History Elective

4 ARTS-402 Senior Portfolio

16 Graphic Design Requirements

4 ARTG-251 Computer Applications in Graphic Design

4 ARTG-252 Visual Communication

4 ARTG-253 Typography

4 One course chosen from the following:

ARTG-352 Package Design

ARTG-354 Interactive Graphic Design I

ARTG-355 Brand Identity Design

ARTS-400 Independent Study

12 Electives

Choose from ARTG, ARTH, or ARTS courses, including ARTS-400 Independent Study and ARTS-404 Internship.

Art History Minor

About the Program

Program Title
Art History Minor

Program Code
MINR.ARTH

Double-counting Restriction
- Students may double count 16 SH B.A. to B.A.;
- Students may double count 8 SH department minor to B.A. or BFA;
- Students may double count 4 SH department minor to department minor;
- Students may not have a photography minor and a studio art major;
- Students may not have a B.A. and BFA within the department.

Students in the Art and Design Department may, with department head approval, complete more than one major and/or minor in the department.

Program Requirements

Requirements
The minor in art history requires 20 semester hours of art history courses with a grade of C- or above. Required courses include ARTH-101, ARTH-102 and three additional art history courses.

Studio Art Minor

About the Program

Program Title
Studio Art Minor

Program Code
MINR.ASTU

Double-counting Restriction

- Students may double count 16 SH B.A. to B.A.;
- Students may double count 8 SH department minor to B.A. or BFA;
- Students may double count 4 SH department minor to department minor;
- Students may not have a photography minor and a studio art major;
- Students may not have a B.A. and BFA within the department.

Students in the Art and Design Department may, with department head approval, complete more than one major and/or minor in the department.

Program Requirements

Requirements
The studio art minor requires 20 semester hours in art department courses with grades of C- or above. Required courses are ARTH-101 Introduction to World Art I or ARTH-102 Introduction to World Art II; ARTS-111 Foundations of Art I; ARTS-113 Drawing; and eight additional semester hours of art department electives.

Photography Minor

About the Program

Program Title
Photography Minor

Program Code
MINR.PHOT

Double-counting Restriction

- Students may double count 16 SH B.A. to B.A.;
- Students may double count 8 SH department minor to B.A. or BFA;
- Students may double count 4 SH department minor to department minor;
- Students may not have a photography minor and a studio art major;
- Students may not have a B.A. and BFA within the department.

Students in the Art and Design Department may, with department head approval, complete more than one major and/or minor in the department.

Program Requirements

Requirements
The minor in photography requires five courses, totaling 20 semester hours, with a grade of C- or above.

Required courses

ARTS-243	Digital Photography
ARTS-244	Advanced Photography
ARTS 341	Topics in Photography

One elective course chosen from the following:

ARTS-113	Drawing
ARTG-251	Computer Applications in Graphic Design

One art history course chosen from the following:

ARTH-215	History of Photography
ARTH-310	Modernism and the Avant-garde
ARTH-412	Contemporary Art
ARTH-313	Women in Art

Studio Art: Painting and Drawing Concentration (BA)

About the Program

Program Title
Studio Art: Painting and Drawing Concentration (BA)

Degree
Bachelor of Arts

Program Code
SART.PADR.BA

Learning Goals
- Studio Art majors will prepare a cohesive body of work that demonstrates artistic proficiency and/or professional competency, in either Painting and Drawing, or Photography
- Studio Art majors can clearly and critically articulate the formal and conceptual aspects of their work relative to their educational experience
- Studio Art majors will understand how to navigate professional activities in preparation for a career in the arts

Double-counting Restriction
- Students may double count 16 SH B.A. to B.A.;
- Students may double count 8 SH department minor to B.A. or BFA;
- Students may double count 4 SH department minor to department minor;
- Students may not have a photography minor and a studio art major;
- Students may not have a B.A. and BFA within the department.

Students in the Art and Design Department may, with department head approval, complete more than one major and/or minor in the department.

Departmental honors requirements
Departmental Honors
The department awards honors status for graduation for students receiving a 3.70 or higher GPA in the studio art, graphic design or art history major.

Off-Campus Study
Junior and senior studio art and art history majors are encouraged to spend a semester studying away from campus as part of the university's GO program. Susquehanna studio art and art history majors also have access to art centers all over Europe, particularly in London, Florence, the south of France and Paris. Others may choose extended off-campus study in New York or Washington, D.C. This experience enriches the artistic spirit and opens up avenues for future careers. Students with modern language interests can combine language and art studies abroad.

Art History, Studio Art and Graphic Design Internships
The department encourages its majors to complete internships, which provide a valuable introduction to the professional art world. Studio art and art history majors typically complete internships at museums and galleries, while graphic design majors are expected to pursue internships at design firms, publishing houses and advertising agencies. All students may receive major credit for approved internships.

Program Requirements

Requirements
The Bachelor of Arts in studio art requires 46 semester hours of art department courses with grades of C- or better.

20 General Requirements

4 ARTH-101 Introduction to World Art I: Prehistory to 1400

4 ARTH-102 Introduction to World Art II: 15th to 20th Century

4 ARTS-111 Foundations of Art I

4 ARTH-300 or higher Art History Elective

4 ARTS-402 Senior Portfolio

6 Art Electives:

Choose 6 semester hours from art department courses.

Additional independent study and internship credits are applicable.

Painting and Drawing Concentration: 20 hours

4 ARTS-112 Foundations of Art II

4 ARTS-113 Drawing

4 ARTS-221 Painting

2 or 4 ARTS-314 Topics in Studio Art

4 ARTS-400 Independent Study (combination of two- or four-semester-hour sections)

Studio Art: Photography Concentration (BA)

About the Program

Program Title
Studio Art: Photography Concentration (BA)

Degree
Bachelor of Arts

Program Code
SART.PHOT.BA

Learning Goals
- Studio Art majors will prepare a cohesive body of work that demonstrates artistic proficiency and/or professional competency, in either Painting and Drawing, or Photography
- Studio Art majors can clearly and critically articulate the formal and conceptual aspects of their work relative to their educational experience
- Studio Art majors will understand how to navigate professional activities in preparation for a career in the arts

Double-counting Restriction
- Students may double count 16 SH B.A. to B.A.;
- Students may double count 8 SH department minor to B.A. or BFA;
- Students may double count 4 SH department minor to department minor;
- Students may not have a photography minor and a studio art major;
- Students may not have a B.A. and BFA within the department.

Students in the Art and Design Department may, with department head approval, complete more than one major and/or minor in the department.

Departmental honors requirements
The department awards honors status for graduation for students receiving a 3.70 or higher GPA in the studio art, graphic design or art history major.

Off-Campus Study
Junior and senior studio art and art history majors are encouraged to spend a semester studying away from campus as part of the university's GO program. Susquehanna studio art and art history majors also have access to art centers all over Europe, particularly in London, Florence, the south of France and Paris. Others may choose extended off-campus study in New York or Washington, D.C. This experience enriches the artistic spirit and opens up avenues for future careers. Students with modern language interests can combine language and art studies abroad.

Art History, Studio Art and Graphic Design Internships
The department encourages its majors to complete internships, which provide a valuable introduction to the professional art world. Studio art and art history majors typically complete internships at museums and galleries, while graphic design majors are expected to pursue internships at design firms, publishing houses and advertising agencies. All students may receive major credit for approved internships.

Program Requirements

Requirements
The Bachelor of Arts in studio art requires 46 semester hours of art department courses with grades of C- or better.

20 General Requirements

4 ARTH-101 Introduction to World Art I: Prehistory to 1400

4 ARTH-102 Introduction to World Art II: 15th to 20th Century

4 ARTS-111 Foundations of Art I

4 ARTH-300 or higher Art History Elective

4 ARTS-402 Senior Portfolio

6 Art Electives:

Choose 6 semester hours from art department courses.

Additional independent study and internship credits are applicable.

Photography Concentration: 20 hours

4 ARTS-243 Digital Photography

4 ARTS-244 Advanced Photography

8 ARTS-341 Topics in Photography

4 ARTS-400 Independent Study (combination of two- or four-semester-hour sections)

Courses

ARTG251 - Computer Applications in Graphic Design

Course Details

Subject Code
ARTG

Course Number
251

Department(s)
Art & Design

Course Title
Computer Applications in Graphic Design

Course Description
This introductory course focuses on the use of the computer and specific software applications as they relate to the study of graphic design. Students gain in-depth experience with pertinent graphic design software applications, as well as the basics of hardware usage, color printing, and scanning. Emphasis is placed on hands-on experience and presentation of digital output. This is an excellent course for non-majors interested in graphic design and prerequisite for all other graphic design courses. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTG252 - Visual Communication

Course Details

Subject Code
ARTG

Course Number
252

Department(s)
Art & Design

Course Title
Visual Communication

Course Description
This course introduces students to the profession of graphic design and explores the design problem. Students will learn to conceptualize, analyze, solve problems, and successfully render solutions. Emphasis is placed on idea generation, creative thinking, and traditional design processes. Students complete projects that demonstrate grasp of the coursework using both traditional and digital means. Prerequisites: ARTS-111 and ARTG-251 or instructor's permission. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTG253 - Typography

Course Details

Subject Code
ARTG

Course Number
253

Department(s)
Art & Design

Course Title
Typography

Course Description
This course introduces students to the study of letterforms for their aesthetic and communicative value, as well as their importance as a medium for graphic designers. Emphasis is placed on technical aspects of typographic structure, including the anatomy of a letter and the history of typographic design. Students are expected to generate creative typographic solutions using both traditional and digital means. Prerequisite: ARTG-252 or instructor's permission. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTG352 - Package Design

Course Details

Subject Code
ARTG

Course Number
352

Department(s)
Art & Design

Course Title
Package Design

Course Description
Intermediate course in which students study the creation of three-dimensional designs for commercial packaging. Emphasis is placed on problem solving, aesthetics, and the form and function of a product's packaging. Students generate design solutions that encompass a variety of packaging styles from bottles to boxes to blister packs. Prerequisite: ARTG-253. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTG354 - Interactive Graphic Design I

Course Details

Subject Code
ARTG

Course Number
354

Department(s)
Art & Design

Course Title
Interactive Graphic Design I

Course Description
This course offers an introduction to design for digital platforms. Students focus on the creative and technical aspects of developing digital designs and content, as well as introductory UI/UX structures that are unique to this field. Students will expand on, and explore relevant software applications and gain practical creative and industry specific skills including wireframes, prototypes and application design. Prerequisite: ARTG-251 or instructor permission. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTG355 - Brand Identity Design

Course Details

Subject Code
ARTG

Course Number
355

Department(s)
Art & Design

Course Title
Brand Identity Design

Course Description
Students in this course will explore brand identity development for the commercial and not-for-profit sectors. Students will learn the characteristics of a successful and cohesive brand identity system, how to implement a brand design across a wide range of print and interactive media applications, and how to create a comprehensive set of graphic standards. Prerequisite: ARTG-352. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ARTG360 - Topics in Graphic Design

Course Details

Subject Code
ARTG

Course Number
360

Department(s)
Art & Design

Course Title
Topics in Graphic Design

Course Description
This course will vary in content with each offering as areas of particular relevance not covered by the regular graphic design curriculum are explored. Each course title under this offering will bear a specific subtitle indicating the content to be presented. May be repeated with permission of the graphic design coordinator when course content changes. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTG400 - Graphic Design Capstone

Course Details

Subject Code
ARTG

Course Number
400

Department(s)
Art & Design

Course Title
Graphic Design Capstone

Course Types
Capstone (CAPS)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ARTG406 - Internship

Course Details

Subject Code
ARTG

Course Number
406

Department(s)
Art & Design

Course Title
Internship

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ARTG451 - Graphic Design Studio

Course Details

Subject Code	Course Number	Department(s)
ARTG	451	Art & Design

Course Title
Graphic Design Studio

Course Description
This capstone course for graphic design majors finalizes the portfolio through the completion of a variety of advanced projects. Students will concentrate on refining skills and preparing to enter the professional world or a graduate program. In addition to project work, students will publicly exhibit their designs; write an artist statement; and produce an exhibition catalog, accompanying announcements and a formal resume. Prerequisite: ARTG-453. 4 SH. Capstone. CC: Team Intensive.

Course Types
Studio Art (ARTS), Capstone (CAPS)

Semester Hours

Semester Hours:
4

ARTG453 - Publication Design

Course Details

Subject Code	Course Number	Department(s)
ARTG	453	Art & Design

Course Title
Publication Design

Course Description
This course offers continued study of the value and impact of letterforms in graphic design. Emphasis is placed on the generation of creative solutions that demonstrate knowledge of contemporary typography and design values. Students enrolled in the course will be expected to generate creative typographic solutions using both traditional and digital means. Prerequisites: ARTG-252 and ARTG-253. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTG454 - Interactive Graphic Design II

Course Details

Subject Code	Course Number	Department(s)
ARTG	454	Art & Design

Course Title
Interactive Graphic Design II

Course Description
This graphic design course builds on the introductory skills acquired in ARTG-354 Interactive Graphic Design I and stresses the further development of web design principles in terms of visual aesthetics, user-interface design, usability, and accessibility. Students will increase their fluency with associated software platforms and programming languages, and develop a sophisticated understanding of and ability to articulate issues critical in the realm of interactive design. Prerequisite: ARTG-354 Interactive Graphic Design I. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ARTG460 - Advanced Topics in Graphic Design

Course Details

Subject Code	Course Number	Department(s)
ARTG	460	Art & Design

Course Title
Advanced Topics in Graphic Design

Course Description
This course will vary in content with each offering as areas of particular relevance not covered by the regular graphic design curriculum are explored. Each course title under this offering will bear a specific subtitle indicating the content to be presented. May be repeated with permission of the instructor when course content changes. Prerequisites: ARTG-252 and ARTG-253. 2 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
2

ARTH101 - Intro to World Art I: Prehist to 1400

Course Details

Subject Code	Course Number	Department(s)
ARTH	101	Art & Design

Course Title
Intro to World Art I: Prehist to 1400

Course Description
A thematically structured introduction to diverse forms of creative expression, such as painting, sculpture, architecture, devotional objects, performance, cultural artifacts, ritual sites and memorials, from cave paintings to across the ancient world, including Africa, the Americas, Asia and Europe. Emphasizes dialogue across cultures and comparative visual analysis of art in context. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

ARTH102 - Intro to World Art II: 15th - 20th Cent

Course Details

Subject Code	Course Number	Department(s)
ARTH	102	Art & Design

Course Title
Intro to World Art II: 15th - 20th Cent

Course Description
A thematically structured introduction to diverse forms of creative expression, such as painting, sculpture, architecture, devotional objects, performance, cultural artifacts, ritual sites and memorials, from the 15th to the 20th century and across the world, including Africa, the Americas, Asia and Europe. Emphasizes dialogue across cultures and comparative visual analysis of art in context 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

ARTH201 - Material Histories

Course Details

Subject Code	Course Number	Department(s)
ARTH	201	Art & Design

Course Title
Material Histories

Course Description
Instead of addressing art's subjects and styles, this course examines the raw materials behind historic works. Whether traded, harvested, or formulated in a laboratory, each artistic substance contains different physical attributes and cultural associations. By addressing the materiality of visual objects, students will leave the course with a more complete history of art. In addition to traditional lectures, students will complete hands-on workshops refining pigments, dyeing fibers, and recreating other historic processes. Prerequisite: Sophomore standing. 4 SH. CC: Artistic Expression, Interdisciplinary.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

ARTH202 - Skin in Art

Course Details

Subject Code	Course Number	Department(s)
ARTH	202	Art & Design

Course Title
Skin in Art

Course Description
This course investigates the role of skin in art and visual culture around the world. Serving as the dividing line between self and other, human skins not only delineate the physical boundaries of our bodies, they also position individuals within their respective cultural environments. Students will consider how skins relay information across time and how artists rely on this fact to craft visual arguments about the subjects at hand. Throughout the semester, this course will address topics such as the evolution of skin color and its representation, tactility and haptic sensory experiences, cosmetic enhancement and deception, tattooing and scarification, digital skins and avatars, and the materiality of skin. 4 SH. CC: Artistic Expression, Diversity Intensive.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

ARTH205 - Greek and Roman Art

Course Details

Subject Code
ARTH

Course Number
205

Department(s)
Art & Design

Course Title
Greek and Roman Art

Course Description
A survey of art and architecture of Ancient Greece (Archaic, Classical, and Hellenistic) and Roman cultures. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

ARTH215 - History of Photography

Course Details

Subject Code
ARTH

Course Number
215

Department(s)
Art & Design

Course Title
History of Photography

Course Description
A study of photography from its invention to the present day. Emphasizes the technical evolution of the medium and its various processes as well as the medium's use in both documentary/scientific and fine arts contexts. 4 SH.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

ARTH300 - Topics in Art

Course Details

Subject Code
ARTH

Course Number
300

Department(s)
Art & Design

Course Title
Topics in Art

Course Description
An intermediate-level survey of selected topics in the history of art. Topics may be drawn from such areas as American folk art, modern art, Medieval and Renaissance art. Prerequisite: Sophomore standing. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ARTH303 - Socially Engaged Art Practice

Course Details

Subject Code
ARTH

Course Number
303

Department(s)
Art & Design

Course Title
Socially Engaged Art Practice

Course Description
Takes a thematic approach and examines the worldwide current of socially engaged art throughout the 20th century into the present, focusing on art practices from Europe, US, Latin America and India. Brings together theoretical approaches and methodologies from different disciplines. Emphasizes dialogue across cultures and comparative analysis of art in context. Prerequisite: Sophomore standing. 4SH. CC: Diversity Intensive, Interdisciplinary.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

ARTH305 - Medieval Art History

Course Details

Subject Code	Course Number	Department(s)
ARTH	305	Art & Design

Course Title
Medieval Art History

Course Description
This course offers an introduction to the art and architecture of Medieval Europe through the examination of visual material from the fall of Emperor Constantine to the late Gothic period. Students will explore cross-cultural connections through discussions of historic trade networks, the origins of artists' materials, and representations of foreign cultures. Prerequisite: Sophomore standing. 4 SH. CC: Artistic Expression, Writing Intensive.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ARTH306 - Renaissance Art History

Course Details

Subject Code	Course Number	Department(s)
ARTH	306	Art & Design

Course Title
Renaissance Art History

Course Description
A study of painting, sculpture, and architecture in Florence, Rome, and Venice from the late 13th to the 16th centuries. Prerequisite: Sophomore standing. 4 SH. CC: Artistic Expression, Writing Intensive.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ARTH307 - Baroque Art History

Course Details

Subject Code	Course Number	Department(s)
ARTH	307	Art & Design

Course Title
Baroque Art History

Course Description
A study of the impact of society and of the Renaissance on painting, sculpture, and architecture in 17th- and 18th-century Europe. Prerequisite: Sophomore standing. 4SH. CC: Artistic Expression, Writing Intensive.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ARTH310 - Modernism and the Avant-Garde

Course Details

Subject Code	Course Number	Department(s)
ARTH	310	Art & Design

Course Title
Modernism and the Avant-Garde

Course Description
Analyzes movements and manifestos that define the art of the avant-garde from post-impressionism in the 1880s to World War II in the 1940s. Explores the various "isms" in the context of social issues which effected change in artistic principles. Recommended for all art majors. Prerequisite: Sophomore standing. 4 SH. CC: Artistic Expression, Writing Intensive.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ARTH313 - Women in Art

Course Details

Subject Code
ARTH

Course Number
313

Department(s)
Art & Design

Course Title
Women in Art

Course Description
A study of the historic perception and the social history of the role of women in art: as artist, as subject of art, and as patron (audience) of art. Emphasizes exploration and debate over issues affecting present-day perceptions about the woman artist of the past and the future. Prerequisite: Sophomore standing. Same as WGST-313. Prerequisite: Sophomore standing.4 SH. CC: Artistic Expression, Diversity Intensive, Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Writing Intensive (INWRT), Diversity Intensive (INDIV), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

ARTH401 - Independent Study

Course Details

Subject Code
ARTH

Course Number
401

Department(s)
Art & Design

Course Title
Independent Study

Course Description
A tutorial course focusing on serious scholarship in art history. Includes writing an article designed for publication. Instructor will assist in topic selection and guide student efforts. Students may do research at major museums, galleries and significant libraries. Prerequisite: Sophomore standing. 4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ARTH403 - Senior Thesis

Course Details

Subject Code
ARTH

Course Number
403

Department(s)
Art & Design

Course Title
Senior Thesis

Course Description
Required capstone course for art history majors in their senior year. Students will work with art history faculty to develop a long paper. This may be based either on new research or be an expansion of a paper from a previous art history course. Prerequisite: Senior standing. 4 SH. Capstone.

Course Types
Research (RSRCH), Capstone (CAPS)

Semester Hours

Semester Hours:
4

ARTH405 - Internship

Course Details

Subject Code
ARTH

Course Number
405

Department(s)
Art & Design

Course Title
Internship

Course Description
Art history majors, in lieu of a senior thesis, or art majors may take an internship in the senior year. Work with a museum, gallery or other art institution will provide valuable background experience. Internships may be broad or specific and will result in a special project. Museum interns may assist in selection of art for exhibition, communicate with lenders, prepare insurance and condition reports, write labels, install shows, or work on catalogues. Some interns work for the university's Lore Degenstein Gallery. Studio art majors and graphic design majors may take internships with professional studios and/or graphic design firms. Prerequisite: Sophomore standing.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ARTH412 - Contemporary Art

Course Details

Subject Code
ARTH

Course Number
412

Department(s)
Art & Design

Course Title
Contemporary Art

Course Description
Critical issues in art from 1950 to the present, defined by radical changes in values for the art market, art criticism, and public taste. Lively presentations by students will support or contest recent art criticism, involving them in both analysis and debate. Prerequisite: Sophomore standing. 4 SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

ARTS111 - Foundations of Art I

Course Details

Subject Code
ARTS

Course Number
111

Department(s)
Art & Design

Course Title
Foundations of Art I

Course Description
Introduces the principles, theories and aesthetics of two-dimensional artwork. Emphasizes the exploration of a variety of artistic media, development of creative concepts, and understanding of form and composition. Required as a beginning course for all art and graphic design majors. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS112 - Foundations of Art II

Course Details

Subject Code
ARTS

Course Number
112

Department(s)
Art & Design

Course Title
Foundations of Art II

Course Description
Introduces the principles, theories, and aesthetics of three-dimensional artwork. Emphasizes conceptual expression, as well as understanding of the physical world of form, space, and texture as related to art objects. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS113 - Drawing

Course Details

Subject Code
ARTS

Course Number
113

Department(s)
Art & Design

Course Title
Drawing

Course Description
Introduces the principles, theories and aesthetics of drawing. Focuses on visual perception and delineation incorporating traditional and nontraditional drawing media. Also addresses life drawing and conceptual expression. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS221 - Painting

Course Details

Subject Code	Course Number	Department(s)
ARTS	221	Art & Design

Course Title
Painting

Course Description
Introduces the principles, theories, and aesthetics of painting. Focuses on understanding color, composition, light, illusion, abstraction, and other visual expressions using oil and/or acrylic paint. Prerequisite: ARTS-111. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS231 - Printmaking

Course Details

Subject Code	Course Number	Department(s)
ARTS	231	Art & Design

Course Title
Printmaking

Course Description
Introduces the principles, theories, and aesthetics of printmaking. Focuses on aesthetic intentions and techniques of producing multiple prints through various processes such as woodcut, linocut, monotype, collograph, and etching. Prerequisite: ARTS-111. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS241 - Black and White Photography

Course Details

Subject Code	Course Number	Department(s)
ARTS	241	Art & Design

Course Title
Black and White Photography

Course Description
Introduces the principles, theories and aesthetics of black and white photography. Focuses on the fundamentals of observation, composition, camera use and darkroom work, including film processing and printing. Requires a 35mm camera (SLR) with manual override. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS243 - Digital Photography

Course Details

Subject Code	Course Number	Department(s)
ARTS	243	Art & Design

Course Title
Digital Photography

Course Description
Introduces the principles, theories, and aesthics of digital photography. Focuses on the fundamentals of observation, composition, and camera use, as well as digital image manipulation and printing using computer software. Requires a minimum 5-megapixel digital camera. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS244 - Advanced Photography

Course Details

Subject Code
ARTS

Course Number
244

Department(s)
Art & Design

Course Title
Advanced Photography

Course Description
Advanced course that expands upon the principles, theories, and aesthetics of photography and photographic processes introducted in ARTD-241 or ARTD-243. Requires a 35mm camera (SLR) with manual override or a 5-megapixel digital camera. Prerequisite: ARTS-243. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS314 - Topics in Studio Arts

Course Details

Subject Code
ARTS

Course Number
314

Department(s)
Art & Design

Course Title
Topics in Studio Arts

Course Description
This course will vary in content with each offering as areas of particular relevance in studio art are explored. Each course title under this offering will bear a specific subtitle indicating the content to be presented. May be repeated with permission of the department head when course content changes. Prerequisite: ARTS-111. 2 or 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

ARTS341 - Topics in Photography

Course Details

Subject Code
ARTS

Course Number
341

Department(s)
Art & Design

Course Title
Topics in Photography

Course Description
This course will vary in content with each offering as areas of particular relevance in photography are explored. The course will require either a 35mm SLR camera with manual override or a 5-megapixel minimum digital camera, depending on the nature of the course topic. Each course title under this offering will bear a specific subtitle indicating the content to be presented. May be repeated with permission of the department head when course content changes. Prerequisite: ARTS-243. 4 SH.

Course Types
Studio Art (ARTS)

Semester Hours

Semester Hours:
4

ARTS400 - Independent Study

Course Details

Subject Code
ARTS

Course Number
400

Department(s)
Art & Design

Course Title
Independent Study

Course Description
Independent work in advanced studio art or graphic design projects with faculty supervision and guidance. (May be repeated.) Prerequisites: Junior or senior standing and department head's permission. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ARTS402 - Senior Portfolio and Exhibition

Course Details

Subject Code
ARTS

Course Number
402

Department(s)
Art & Design

Course Title
Senior Portfolio and Exhibition

Course Description
Required capstone course for studio art majors, to be taken during the senior year. Students will complete a cohesive body of artwork and exhibit to the public. Students will work with a faculty member to select and professionally present their art, write an artist statement and produce an exhibition catalog and announcement. Prerequisite: Senior standing. 4 SH. Capstone.

Course Types
Studio Art (ARTS), Capstone (CAPS)

Semester Hours

Semester Hours:
4

ARTS404 - Internship

Course Details

Subject Code
ARTS

Course Number
404

Department(s)
Art & Design

Course Title
Internship

Course Description
Internships offer a valuable experience for all art department majors and are traditionally taken during the summer between the junior and senior years or during the academic year. Art history majors may work with a museum, gallery or other art institution; studio art majors may intern at professional studios, galleries or museums; and graphic design majors normally take internships with design firms or advertising agencies. Some interns work for the university's Lore Degenstein Gallery. Prerequisite: Department head's permission. 1-4SH

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

Asian Studies Department

Faculty Coordinator

Matthew L. Duperon, Ph.D., Associate Professor of Religious Studies

Programs

Asian Studies Minor

About the Program

Program Title
Asian Studies Minor

Program Code
MINR.ASIA

Learning Goals
- To initiate an in-depth study of Asia, including its cultures, literatures, history, religion, philosophy, businesses, media practices, arts and languages
- To compare various Asian cultures with each other in order to achieve a greater understanding of the continuities/discontinuities between them
- To arrive at some understanding of the continuities/discontinuities between Asian communities in Asia and their diasporic communities, particularly in the U.S

Double-counting Restriction
Only 4 semester hours of this minor may be double-counted toward the student's major.

Minors are strongly encouraged to fulfill the university's Central Curriculum language requirement with an Asian language and to continue the language study beyond the first year. Features of Chinese and Japanese culture are closely associated with the uniqueness of the language. (For example, the evolution of Chinese characters is directly connected to the evolution of Chinese culture.) Chinese is currently offered at Susquehanna at both the 100- and 200-levels. Students who wish to take another Asian language not offered at Susquehanna may satisfy this requirement by taking language classes through off-campus programs or summer language study programs that have been approved for Susquehanna credit.

Program Requirements

Requirements
The Asian studies minor requires 20 semester hours, with grades of C- or better, including four elective courses (with at least three to be chosen from courses exclusively on Asia) and a required final course. Study abroad is highly recommended but not required.

Electives
Students take a total of 16 elective semester hours. Not more than eight semester hours may be taken at the 100-level, and at least four semester hours must be taken at the 300-level. No more than four semester hours of language at the 100-level may be counted toward an elective.

At least 12 semester hours must be taken from the following courses exclusively on Asia:

CHNS-101 Beginning Chinese I

CHNS-102 Beginning Chinese II

CHNS-201 Intermediate Chinese

CHNS-202 Intermediate Chinese

Beginning Japanese I-II (transferred from another institution)

HIST-151 Traditional East Asia

HIST-152 Modern East Asia

HIST-252 History of China

ENGL-390 when the topic is Asian Literatures and Cultures

ENGL-205 Literature Studies, with Indian Literature and Film as the topic

ENGL-205 Literature Studies, with Asian Literature as the topic

ENGL-365 Studies in Literature and Gender, with Asian Women's Literature as the topic

POLI-300 when the topic is Rise of China

RELI-117 Introduction to Asian Religions

RELI-208 Buddhism

RELI-316 Daoism, Zen, and Authenticity

RELI-318 Confucian Ethics

4 semester hours may be taken in the following comparative courses:

ENGL-205 Literature Studies, with Asian-American Literature as the topic

RELI-105 World Religions

RELI-305 Topics in Religion, with Asian Religions as the topic

RELI-315 Being Awesome at Life

Required Final Course
Students pursuing a minor are required to take an upper-level four-semester-hour final course that offers an exploration of broad comparative issues that relate to Asia as a whole. Courses such as RELI- 208, ENGL-205, ENGL-365, ENGL-390 or other courses approved by the program coordinator will satisfy this requirement.

Biology Department

Faculty

Alissa A. Packer, Ph.D., Associate Professor of Biology, department head

Erin Alexander, Ph.D., Professor of Biology

Jack Russell Holt, Ph.D., Professor of Biology

David Matlaga, Ph.D., Professor of Biology

Matthew Persons, Ph.D., Professor of Biology

Pavithra Vivekanand, Ph.D., Professor of Biology

Tanya Matlaga, Ph.D., Associate Professor of Biology

Antonio Rockwell, Ph.D., Associate Professor of Biology

Sophie Charvet, Ph.D., Assistant Professor of Biology

Kate Huffer, Ph.D., Assistant Professor of Biology

Michael Mauro, Ph.D., Assistant Professor of Biology

Edgard Soares, Ph.D., Assistant Professor of Biology

Kelly Puzzi, MD, Director of Health Professions

Programs

Biology - Secondary Education (BS)

About the Program

Program Title
Biology - Secondary Education (BS)

Degree
Bachelor of Science

Program Code
BIOL.ED.BS

Program Description
The Bachelor of Science degree in biology requires 60 semester hours in biology, chemistry and physics with grades of C- or better in biology. The Bachelor of Science degree includes an introductory sequence, biology distribution requirements (in cell and molecular biology, organismal biology, and ecology and evolution), and other requirements as outlined below. In addition, all students must complete a research capstone requirement (either Group A or Group B track).

Program Requirements

Requirements
In addition to the Education course requirements listed below, secondary education biology students complete all of the usual requirements for the biology major.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Biology (BS)

About the Program

Program Title
Biology (BS)

Degree
Bachelor of Science

Program Code
BIOLOGY.BS

Program Description
The Bachelor of Science degree in biology requires 60 semester hours in biology, chemistry and physics with grades of C- or better in biology. The Bachelor of Science degree includes an introductory sequence, biology distribution requirements (in cell and molecular biology, organismal biology, and ecology and evolution), and other requirements as outlined below. In addition, all students must complete a research capstone requirement (either Group A or Group B track).

Learning Goals
Students graduating with a biology or biomedical sciences major will:

- be able to identify and describe the basic principles and theories of the biological sciences
- develop an understanding of a relevant body of knowledge and use that understanding to construct logical arguments and position their arguments in the larger context of biology
- understand the appropriate use of lab and field methods to acquire data, the tools to analyze and/or visualize data, and the ability to interpret data
- understand the nature of science as a way of knowing and the practice of science as a social and cultural endeavor, with the goal of explaining nature
- be able to recognize how basic scientific principles and theories are relevant to the broader liberal arts curriculum as well as to their daily lives.

Double-counting Restriction
Students may not double count more than 24 semester hours (SH) (including the corollary courses) from another major towards the biology major.

Departmental honors requirements
The departmental honors program encourages and recognizes superior academic performance in biology. Candidates for academic honors must:
• Maintain a cumulative GPA of 3.25 and a GPA of 3.50 in biology courses to qualify for academic honors, and
• Successfully complete Student Research I and II (BIOL-510 and BIOL-511) or BIOL-350, and earn a grade of B- or better in these courses.
Candidates for research honors must:
• Be nominated by a member of the biology faculty by midterm of Student Research II (BIOL-511),
• Submit an acceptable research thesis based upon two semesters of Student Research (BIOL-510 and BIOL-511), and
• Pass an oral comprehensive examination of their thesis in their final semester.

Program Requirements

Requirements
16 Introductory Sequence

4 BIOL-101 Ecology and Evolution ***and*** BIOL 101L Ecology and Evolution Lab

4 BIOL-102 Cell Biology and Genetics ***and*** BIOL-102L Cell Biology and Genetics Lab

4 BIOL-205 Organismal Biology ***and*** BIOL-205L Organismal Biology Lab

4 BIOL-220 Biostatistics

16-20 Biology Distribution Requirements

Cell and Molecular Biology

Choose from one of the following:

3 BIOL-300 Developmental Biology

3 BIOL-306 Cell Biology

3 BIOL-316 Molecular Biology

3 BIOL-319 Advanced Genetics

3 BIOL-400 Immunology

Organismal Biology

Choose from one of the following:

3 BIOL-302 Comparative Vertebrate Anatomy

3 BIOL-310 Animal Physiology

3 BIOL-312 Microbiology

3 BIOL-326 Invertebrate Zoology

3 BIOL-404 Plant Physiology

3 BIOL-440 Behavioral Neuroendocrinology

3 BIOL-455 Functional Neuroanatomy

3 ECOL-110 Biogeodiversity

Ecology and Evolution

Choose from one of the following:

3 BIOL-324 Animal Behavior

3 BIOL-330 Conservation Biology

3 BIOL-332 Population Biology

3 BIOL-335 Restoration Ecology

3 BIOL-340 Marine Ecology

3 ECOL-201 Community and Ecosystems Ecology

3 Laboratory courses taken concurrently with lecture or after the lecture has been completed.

Labs are integrated or a co-requisite for BIOL-319, BIOL-335, BIOL-416, BIOL-455, ECOL-110, and ECOL-201.

4-8 At least two *different* course offerings from:

2-4 BIOL-560 Interdisciplinary Explorations in Biology*

4 BIOL-565 Assisted Reproductive Technologies and Genome Editing*

2 ECOL-560 Interdisciplinary Explorations in Ecology

** Students taking a 4-semester hour course from the above list must still take a second course. Two BIOL-560 courses may be taken to satisfy this requirement if the courses are address different topics.*

Other Requirements
8 Capstone

Based upon their qualifications and career goals, students may opt for collaborative research experience with a faculty mentor (Group A), or they may elect to take a classroom-based research experience (Group B). Each track contains a component that fulfills the capstone requirement for the major (i.e., BIOL-510 in the case of Group A and BIOL-350 in the case of Group B).

Group A:

4 BIOL-510 Student Research I

4 BIOL-511 Student Research II

Group B:

4 BIOL-350 Investigative Problems in Biology

4 Biology elective courses at the 200-level or above

20 Corollary Courses

4 CHEM-103 or CHEM-111 General Chemistry I

4 CHEM-221 Organic Chemistry I

4 CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity or CHEM 222 Organic Chemistry II

8 Choose 8 additional semester hours from the following courses:

BIOL-318 General Biochemistry

CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity or CHEM 222 Organic Chemistry II (whichever was not previously counted as a corollary course above)

CHEM-242 Methods of Chemical Analysis

CHEM-302 Medicinal Chemistry

CHEM-305 Forensic Chemistry

CHEM-306 Nanoscience

CHEM-313 Biotechnology

CHEM-314 Survey of Biochemistry

CHEM-422 The Biochemistry of Nucleic Acids

CHEM-423 Biochemistry Nucleic Acids Laboratory

CHEM-424 The Biochemistry of Metabolism

CHEM-426 The Biochemistry of Proteins and Enzymes

CHEM-427 Biochemistry of Proteins and Enzymes Laboratory

CHEM-429 Biochemistry of Metabolism Laboratory

CHEM-311 Analytical Chemistry

CSCI-151 Introduction to Programming

CSCI-181 Principles of Computer Science

PHYS- 202 or PHYS-204 Introductory Physics I

PHYS-205 or PHYS-206 Introductory Physics II

Biomedical Sciences (BS)

About the Program

Program Title
Biomedical Sciences (BS)

Degree
Bachelor of Science

Program Code
BIOMED.BS

Program Description
The Biomedical Sciences major combines a solid foundation in the basic sciences of biology, chemistry, and physics with more applied courses related to the study of the human body plus the addition of courses in the social sciences that will prepare students for working effectively as healthcare practitioners and biomedical researchers in the field of biomedicine. This major allows students to meet the requirements for admission to medical and other professional programs and ensures they will have the necessary coursework to prepare for entrance exams such as the MCAT, DAT and OAT. Students completing this major will also be well prepared for admission to graduate study programs in biomedicine, such as cell and molecular biology, cancer biology, immunology, or microbiology, and to work in biomedical research settings. Students in the Biomedical Sciences major may not double-major or minor in Biology.

Learning Goals
Students graduating with a biology or biomedical sciences major will:

- be able to identify and describe the basic principles and theories of the biological sciences
- develop an understanding of a relevant body of knowledge and use that understanding to construct logical arguments and position their arguments in the larger context of biology
- understand the appropriate use of lab and field methods to acquire data, the tools to analyze and/or visualize data, and the ability to interpret data
- understand the nature of science as a way of knowing and the practice of science as a social and cultural endeavor, with the goal of explaining nature
- be able to recognize how basic scientific principles and theories are relevant to the broader liberal arts curriculum as well as to their daily lives.

Double-counting Restriction
Students may not double count more than 24 semester hours (SH) (including the corollary courses) from another major towards the biology major.

Departmental honors requirements
The departmental honors program encourages and recognizes superior academic performance in biology. Candidates for academic honors must:
• Maintain a cumulative GPA of 3.25 and a GPA of 3.50 in biology courses to qualify for academic honors, and
• Successfully complete Student Research I and II (BIOL-510 and BIOL-511) or BIOL-350, and earn a grade of B- or better in these courses.
Candidates for research honors must:
• Be nominated by a member of the biology faculty by midterm of Student Research II (BIOL-511),
• Submit an acceptable research thesis based upon two semesters of Student Research (BIOL-510 and BIOL-511), and
• Pass an oral comprehensive examination of their thesis in their final semester.

Program Requirements

Requirements

The Bachelor of Science degree in Biomedical Sciences requires 67-68 semester hours in the following courses, with grades of C- or better:

12 Introductory Biology Sequence

4 BIOL-101 Ecology and Evolution ***and*** BIOL 101L Ecology and Evolution lab

4 BIOL-102 Cell Biology and Genetics ***and*** BIOL-102L Cell Biology and Genetics Lab

4 BIOL-205 Organismal Biology ***and*** BIOL-205L Organismal Biology Lab

4 Upper-level Biology with Laboratory

Take one of the following options:

4 BIOL-300/301 Developmental Biology

4 BIOL-306/307 Cell Biology

4 BIOL-312/313 Microbiology

4 BIOL-316/317 Molecular Biology

4 BIOL-319 Advanced Genetics

4 BIOL-400/401 Immunology

8 Anatomy and Physiology

4 HLCR-350 Anatomy and Physiology I

4 HLCR-355 Anatomy and Physiology II

16 Chemistry sequence (the courses must be accompanied with the laboratory)

4 General Chemistry I (choose from: CHEM-103 or CHEM-111)

4 CHEM-221 Organic Chemistry I

4 CHEM-222 Organic Chemistry II

4 General Chemistry II (choose from: CHEM-204 or CHEM-232)

3-4 Biochemistry course

Take one of the following:

4 BIOL-318 General Biochemistry

3 CHEM-424 Biochemistry of Metabolism

3 CHEM-426 Biochemistry of Proteins and Enzymes

4 CHEM-314 Survey of Biochemistry

8 Physics sequence (the courses must be accompanied with the laboratory)

4 Introductory Physics I (choose from: PHYS-202, or PHYS-204)

4 Introductory Physics II (choose from: PHYS-205 or PHYS-206)

8 Additional required courses

4 PSYC-101 Principles of Psychology

4 SOCI-101 Principles of Sociology or ANTH-162 Introduction to Anthropology

4 Statistics

4 BIOL-220 Biostatistics

4 Capstone

4 BIOL-350 Investigative Problems in Biology

Exercise Science (BS)

About the Program

Program Title

Exercise Science (BS)

Degree

Bachelor of Science

Program Code

EXSCI.BS

Program Description

The Exercise Science major provides students with a strong foundation in the scientific principles that explain human movement, health, and performance. The program integrates coursework from the biological, physical, and social sciences to prepare students for diverse careers and advanced study in fields such as health and wellness, rehabilitation, athletic training, strength and conditioning, and exercise physiology.

Learning Goals

Students graduating with a major in exercise science will:

- possess a comprehensive understanding of the anatomical, physiological, biomechanical, and neurological principles underlying human movement, exercise, and performance.
- be able to critically evaluate and apply research to design, implement, and assess exercise programs and interventions that promote health, fitness, and performance across diverse populations.
- demonstrate professionalism, effective communication, and ethical conduct in academic, clinical, and community settings related to exercise and health.
- be able to integrate insights from the social sciences, humanities, and natural sciences to understand human health and performance in social, cultural, and environmental contexts.

Double-counting Restriction

Majors may not double count more than 24 semester hours (SH) with another major and may not major in biology or biomedical sciences, or minor in pre-health professions.

Program Requirements

Requirements

The Bachelor of Science degree in exercise science requires 52-56 semester hours in core courses required for the major and 20 semester hours of cognate and elective course credit. Grades of C- or better are required for the core courses for the major. The Bachelor of Science degree includes:

52- 56 Required courses

4 EXSC-101 Introduction to Exercise Science

4 BIOL-102 Cell Biology and Genetics ***and*** BIOL 102L Cell Biology and Genetics Lab

4 BIOL-205 Organismal Biology ***and*** BIOL-205L Organismal Biology Lab

4 BIOL-220 Biostatistics

4 HLCR-260 Human Nutrition

4 HLCR-350 Anatomy and Physiology I

4 HLCR-355 Anatomy and Physiology II

3 EXSC-320 Exercise Physiology

1 EXSC-321 Exercise Physiology Laboratory

3 EXSC-330 Biomechanics

1 EXSC-331 Biomechanics Laboratory

4 EXSC-340 Motor Learning and Control

0-2 EXSC-500 Internship (2 internships)

4 EXSC-505 Investigative Problems in Exercise Science

4 PSYC-101 Introduction to Psychology

4 PSYC-242 Health Psychology or PSYC-201 Special Topics in Psychology, when the topic is Sports Psychology

12 Required cognate courses (the courses must be accompanied with the laboratory)

4 General Chemistry I – choose from: CHEM-103 or CHEM-111

4 General Chemistry II – choose from: CHEM-204 or CHEM-232

4 Introductory Physics I – choose from: PHYS-202, or PHYS-204

8 Electives: 8 credits must be chosen from the following courses. The course must be accompanied with the laboratory when offered.

4 BIOL-318 General Biochemistry

4 CHEM-221 Organic Chemistry I

4 CHEM-222 Organic Chemistry II

2 COMM-143 Sports Management

2 HLCR-080 The Business of Healthcare

4 PHIL-224 Bioethics

4 PHYS-205 or PHYS-206 Introductory Physics II

4 POLI-354 Healthcare Policy

4 PSYC-237 Lifespan Development

4 PSYC-240 Adulthood and Aging

4 PSYC-243 Drugs, Society and Behavior

Biology Minor

About the Program

Program Title
Biology Minor

Program Code
MINR.BIOL

Double-counting Restriction
Students may not double count more than 8 SH from another major towards the biology minor.

Program Requirements

Requirements
Students minoring in biology complete 20 semester hours, including BIOL-101 Ecology and Evolution, BIOL-102 Cell Biology and Genetics, and BIOL-205 Organismal Biology. Students choose additional biology courses at the 200-, 300- or 400-level. Although BIOL-500, BIOL-502, and BIOL-560 may apply to the minor, other courses at the 500-level may not be taken for minor credit. At least one laboratory course is required in addition to BIOL-101, BIOL-102, and BIOL-205.

Courses

BIOL010 - Issues in Biology

Course Details

Subject Code
BIOL

Course Number
010

Department(s)
Biology

Course Title
Issues in Biology

Course Description
Emphasizes analysis of biological problems relevant to the human experience and presents basic biological concepts in a variety of contexts. Subject matter might include medicine, environmental issues, ecology, molecular biology, physiology, and others. 4 SH. 3 lecture hours. 3 laboratory hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

BIOL101 - Ecology and Evolution

Course Details

Subject Code
BIOL

Course Number
101

Department(s)
Biology

Course Title
Ecology and Evolution

Course Description
Examination of descent with modification from a common ancestor, evidence for evolution, processes by which evolutionary changes occur, and how ecological interactions drive such changes. Course content will be linked to the five core concepts of biology (evolution; structure and function; information flow; energy transformations; and systems). Topics include the link between genotype and phenotype as it relates to natural selection and evolutionary change; mechanisms of microevolution; speciation processes; population growth and regulation; species interactions; and ecosystem structure and function. 4 SH. 3 lecture hours. 3 laboratory hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

BIOL101L - Ecology and Evolution Lab

Course Details

Subject Code
BIOL

Course Number
101L

Department(s)
Biology

Course Title
Ecology and Evolution Lab

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

BIOL102 - Cell Biology and Genetics

Course Details

Subject Code
BIOL

Course Number
102

Department(s)
Biology

Course Title
Cell Biology and Genetics

Course Description
Examination of life at the cellular level, focusing on the five core concepts of biology (evolution, structure and function, information flow, engergy transformations, and systems). Topics include cell structure and function, protein structure and function as the link between genotype and phenotype, information flow from gene to protein, inheritance of traits in eukaryotic organisms, membrane structure and transport, energetics on the cellular level, cell cycle control and cancer. 4 SH. 3 lecture hours. 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

BIOL102L - Cell Biology & Genetics Lab

Course Details

Subject Code
BIOL

Course Number
102L

Department(s)
Biology

Course Title
Cell Biology & Genetics Lab

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

BIOL150 - Thinking Analytically About Science

Course Details

Subject Code	Course Number	Department(s)
BIOL	150	Biology

Course Title
Thinking Analytically About Science

Course Description
The ability to evaluate claims using data is essential in today's world. This course is designed to introduce students to the fundamental concepts of experimental and sampling design as well as quantitative hypothesis testing. The emphasis will be on how to visualize, present, and interpret scientific data and how to recognize when scientific claims are misleading. This course is designed for non-science majors and will include examples from across many scientific disciplines. 4 SH. CC: Analytical thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

BIOL205 - Organismal Biology

Course Details

Subject Code	Course Number	Department(s)
BIOL	205	Biology

Course Title
Organismal Biology

Course Description
This course will focus on the level of the organism as the biological scale through which to build the student's understanding of 5 core concepts in biology, evolution, information flow, structure-function relationships, energy transformations, and systems biology. This course is designed as an introductory course, meaning it introduces fundamental concepts that will be elaborated on and reinforced at a more sophisticated and deeper level in the more advanced courses that are taken as distribution requirements in the junior and senior year. Prerequisites: BIOL-102. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

BIOL205L - Organismal Biology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	205L	Biology

Course Title
Organismal Biology Lab

Course Description
Organismal Biology Lab. Co-requisite: BIOL-205. 0SH

Course Types
Standard (STAND), Science Lab (LAB)

Semester Hours

Semester Hours:
0

BIOL220 - Biostatistics

Course Details

Subject Code	Course Number	Department(s)
BIOL	220	Biology

Course Title
Biostatistics

Course Description
Biostatistics will focus on the collection and analysis of biological data. The course is designed to introduce students to the fundamental concepts of experimental and sampling design,as well as quantitative hypothesis testing. Some equations will be covered in the course; however, the emphasis will be on interpretation and presentation of statistical results. These concepts will be reinforced in upper level biology/ecology/neuroscience courses taken by students to fulfill distribution requirements during their junior and senior years. Same as ECOL-220. Prerequisites: Sophomore standing and either BIOL-101, BIOL-102,ECOL-100 or EENV 101. 4 SH. 4 lecture hours. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

BIOL225 - Organismal Form and Function

Course Details

Subject Code
BIOL

Course Number
225

Department(s)
Biology

Course Title
Organismal Form and Function

Course Description
This course serves as an introduction to the systems of the body, including basic study of structure and function. Topics include an introduction to homeostasis, cells and tissues, as well as basic functions of the cardiovascular, respiratory, nervous, endocrine, digestive, urinary and reproductive systems. Upon completion, students should be able to demonstrate a basic understanding of the fundamental principles of anatomy and physiology and their interrelationships. Pre-requisites: BIOL-102 Cell Biology and Genetics. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

BIOL270 - Research Exploration in Biology

Course Details

Subject Code
BIOL

Course Number
270

Department(s)
Biology

Course Title
Research Exploration in Biology

Course Description
This is an elective course, which provides an early opportunity for you to become involved in research, prior to the Capstone Research Experience (BIOL350 or BIOL510-511) during the senior year. The course involves individual or team investigation of a novel research problem in biology in collaboration with a faculty member. You will be introduced to common methods and techniques used in the biology field or laboratory studies. This course may only be taken in the second or third year of the Biology/Biomedical Sciences program and can be repeated for a maximum of 4 SH credits. Prerequisite: BIOL-102 and Instructor's permission. 1-2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
2

BIOL300 - Developmental Biology

Course Details

Subject Code
BIOL

Course Number
300

Department(s)
Biology

Course Title
Developmental Biology

Course Description
Examines embryo development, focusing on cellular and regulatory mechanisms that guide the process. Topics include the events of development from fertilization through organogenesis in a range of animal systems from sea urchins through mammals. Prerequisite: BIOL-102. 3 SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
3

BIOL301 - Developmental Biology Lab

Course Details

Subject Code
BIOL

Course Number
301

Department(s)
Biology

Course Title
Developmental Biology Lab

Course Description
An investigative approach to the study of animal development, emphasizing cellular and molecular techniques. Students work in small groups to conduct and analyze self-designed experiments with invertebrate embryos. Prerequisite: BIOL-102. 1 SH. 3 laboratory hours. CC: Ethics Intensive.

Course Types
Science Lab (LAB), Ethics Intensive (INETH), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL302 - Comparative Vertebrate Anatomy

Course Details

Subject Code	Course Number	Department(s)
BIOL	302	Biology

Course Title
Comparative Vertebrate Anatomy

Course Description
Examines the evolutionary relationships among the vertebrate classes, using comparative morphological evidence. Utilizes an organ system approach to the study of anatomy, and considers unique adaptations of individual vertebrates. Prerequisite: BIOL-205. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL303 - Comp Vertebrate Anatomy Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	303	Biology

Course Title
Comp Vertebrate Anatomy Lab

Course Description
Organ-based study of representative vertebrates, including shark and cat dissections. Laboratory may not be taken without BIOL-302. Prerequisite: BIOL-205. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL306 - Cell Biology

Course Details

Subject Code	Course Number	Department(s)
BIOL	306	Biology

Course Title
Cell Biology

Course Description
Examines the molecular aspects of cell structure and function and the molecular processes that regulate cell behavior. Emphasizes experimental and problem-based approaches, and includes information on the cell biology of human disease. Prerequisite: BIOL-102. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL307 - Cell Biology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	307	Biology

Course Title
Cell Biology Lab

Course Description
Introduces the laboratory techniques commonly used in the study of cell biology. Includes labs on the isolation and characterization of proteins and nucleic acids. Laboratory may not be taken without BIOL-306. Prerequisite: BIOL-102. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL310 - Animal Physiology

Course Details

Subject Code	Course Number	Department(s)
BIOL	310	Biology

Course Title
Animal Physiology

Course Description
General and comparative physiology. Emphasizes membrane, neural, muscular and homeostatic physiology. Prerequisite: BIOL-102 and junior standing. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL312 - Microbiology

Course Details

Subject Code	Course Number	Department(s)
BIOL	312	Biology

Course Title
Microbiology

Course Description
An introduction to the morphology, physiology and genetics of microorganisms. Discusses the roles of microorganisms in the environment and in human disease. Prerequisite: BIOL-205 or ECOL-201. 3 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL313 - Microbiology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	313	Biology

Course Title
Microbiology Lab

Course Description
Emphasizes basic bacteriologic techniques, including staining, culturing and identification. Laboratory may not be taken without BIOL-312. Prerequisite: BIOL-205 or ECOL-201. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL315 - Animal and Physiology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	315	Biology

Course Title
Animal and Physiology Lab

Course Description
A laboratory in general animal and human exercise physiology. Investigates the physiological basis of responses to exercise and extreme environments with an emphasis on neural, muscular, respiratory and cardiovascular mechanisms. Uses some animal models. Laboratory may not be taken without BIOL-310. Prerequisite: BIOL-205 and junior standing. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL316 - Molecular Biology

Course Details

Subject Code	Course Number	Department(s)
BIOL	316	Biology

Course Title
Molecular Biology

Course Description
Examines the structure and function of DNA and RNA of prokaryotes and eukaryotes. Topics include recombinant DNA technology, genomics and bioinformatics. Prerequisite: BIOL-102. CHEM-221 strongly recommended. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL317 - Molecular Biology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	317	Biology

Course Title
Molecular Biology Lab

Course Description
Investigates the structure and function of DNA through techniques of molecular biology. Topics include agarose gel electrophoresis, DNA hybridization and gene cloning. Laboratory may not be taken without BIOL-316. Prerequisite: BIOL-102. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL318 - General Biochemistry

Course Details

Subject Code	Course Number	Department(s)
BIOL	318	Biology

Course Title
General Biochemistry

Course Description
General Biochemistry is an upper-level course designed for majors in the biology department. It introduces and expounds upon the basic unifying principles of macromolecule structure, function, and metabolism. The course content covers 5 broad areas: structure, function, biosignaling, energy and metabolism. Prerequisites for this course are BIOL102 and CHEM221

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

BIOL319 - Advanced Genetics

Course Details

Subject Code	Course Number	Department(s)
BIOL	319	Biology

Course Title
Advanced Genetics

Course Description
This workshop-style course will explore advanced topics in the expression, evolution and inheritance of genetic material, as well as the modern techniques that are used in their analysis. It will also consider the ethical issues that arise from the generation and potential uses of the resulting knowledge. It will build upon the basic molecular and Mendelian genetics concepts taught at the introductory level. Prerequisite: BIOL 102 or permission of instructor. 4 SH. 3 lecture hours. 1 laboratory hour. CC:Ethics Intensive.

Course Types
Standard (STAND), Science Lab (LAB), Ethics Intensive (INETH), Biology Lab (BILAB)

Semester Hours

Semester Hours:
4

BIOL324 - Animal Behavior

Course Details

Subject Code	Course Number	Department(s)
BIOL	324	Biology

Course Title
Animal Behavior

Course Description
Explores the adaptive value of animal behavior with an emphasis on theory and hypothesis testing using examples drawn from primary literature. Major topics include sexual selection, mating systems, parental care, sociality, foraging theory, antipredator behavior, game theory, and communication framed within an evolutionary context. Prerequisite: BIOL-101 or ECOL-100. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL325 - Animal Behavior Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	325	Biology

Course Title
Animal Behavior Lab

Course Description
Field and laboratory techniques in behavioral data collection, experimental design and statistical analysis. Hypothesis development and testing emphasized. A portion of the grade is based on an independent research project. Laboratory may not be taken without BIOL-324. Prerequisite: BIOL-101 or ECOL-100. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL326 - Invertebrate Zoology

Course Details

Subject Code	Course Number	Department(s)
BIOL	326	Biology

Course Title
Invertebrate Zoology

Course Description
An introduction to evolutionary themes and functional approaches to invertebrate animal biology. Course covers a broad survey of the invertebrate phyla. Within the coverage of each group, unique aspects of morphology, physiology, ecology, and behavior are discussed in light of the selective forces that have favored their evolution. Prerequisite: BIOL-205 or BIOL-304 or ECOL-110 or ECOL-201. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL327 - Invertebrate Zoology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	327	Biology

Course Title
Invertebrate Zoology Lab

Course Description
An introduction to invertebrate phyla and subgroups with emphasis on form and functional morphology, organ systems, life history, ecology and behavior. Course includes dissections, examination of preserved material, demonstrations and observations of living animals. In addition, students organize an invertebrate collection based on local fauna. Laboratory may not be taken without BIOL-326. Prerequisite: BIOL-205 or BIOL-304 or ECOL-110 or ECOL-201. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL330 - Conservation Biology

Course Details

Subject Code	Course Number	Department(s)
BIOL	330	Biology

Course Title
Conservation Biology

Course Description
Explores patterns of local and worldwide biological diversity to better understand factors that generate hotspots of diversity, ways to measure diversity, value derived from biodiversity, and the variety of threats to diversity. Examines topics of basic ecology, including characteristics of individuals, populations and communities, and how conservation applies to these levels of diversity. Explores the design and management of protected areas and the role of people in them. All topics are infused with examples from local regions as well as from around the world in order to form connections between the theory and real life. Both BIOL-330 and BIOL-331 must be taken to satisfy the Ethics Intensive area of the Central Curriculum. Prerequisites: BIOL-101 or ECOL-100. 3SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
3

BIOL331 - Conservation Biology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	331	Biology

Course Title
Conservation Biology Lab

Course Description
Field and lab methods to measure biodiversity and the ecosystem services gained from biodiverse systems will be explored, as well as alternative approaches to manage and conserve biodiversity. Prerequisite: BIOL-101 or ECOL-100. Pre- or corequisite: BIOL-330. 1SH. CC: Ethics Intensive

Course Types
Science Lab (LAB), Ethics Intensive (INETH), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL332 - Population Biology

Course Details

Subject Code	Course Number	Department(s)
BIOL	332	Biology

Course Title
Population Biology

Course Description
This course will introduce students to the biotic and abiotic factors that influence the size and trajectory of populations. Topics of the course will include understanding demographic rates, density independent and density dependent population growth rates, density, population dynamics of structured and non-structures populations,competitions, and predation. Prerequisite: BIOL-101 or ECOL-100. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL333 - Population Biology Laboratory

Course Details

Subject Code	Course Number	Department(s)
BIOL	333	Biology

Course Title
Population Biology Laboratory

Course Description
This course will introduce students to methods used in estimating demographic rates and population parameters, such as age structure. Concepts fundamental to experimental design and statistical analysis of data will be stressed. Laboratory cannot be taken without BIOL-332. Prerequisite: BIOL-101 or ECOL-100. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL335 - Restoration Ecology

Course Details

Subject Code	Course Number	Department(s)
BIOL	335	Biology

Course Title
Restoration Ecology

Course Description
Restoration Ecology is an interdisciplinary field that combines conservation, ecology, economics, and culture. The ultimate goal is the recovery of a landscape, but how we define recovery can be a question of what we value about a particular ecosystem. In this class we will explore the causes of degraded ecosystems, ecology principles behind restoration, and how theory is translated to land management across ecosystems and political boundaries. Students will think critically about how to implement restoration actions that are ecologically sound, sustainable long term, and meet local needs and values. This course will be a combination of lecture, class discussion, and field implementation of a restoration project. Prerequisite: Sophomore standing and BIOL-101 or ECOL-100. Co-requisite: BIOL-336. 3 lecture hours. 3 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Biology Lab (BILAB)

Semester Hours

Semester Hours:
3

BIOL336 - Restoration Ecology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	336	Biology

Course Title
Restoration Ecology Lab

Course Description
Restoration Ecology is an interdisciplinary field that combines conservation, ecology, economics, and culture. The ultimate goal is the recovery of a landscape, but how we define recovery can be a question of what we value about a particular ecosystem. In this class we will explore the causes of degraded ecosystems, ecology principles behind restoration, and how theory is translated to land management across ecosystems and political boundaries. Students will think critically about how to implement restoration actions that are ecologically sound, sustainable long term, and meet local needs and values. This course will be a combination of lecture, class discussion, and field site visits/labs. Co-requisite: BIOL 335. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Standard (STAND), Biology Lab (BILAB), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
1

BIOL340 - Marine Ecology

Course Details

Subject Code	Course Number	Department(s)
BIOL	340	Biology

Course Title
Marine Ecology

Course Description
This course provides an examination of the ecology of marine and estuarine systems based on the principles of population biology and community ecology. Studies the ecology of the major marine communities: rocky intertidal and subtidal substrate, mangroves, salt marshes, kelp, soft substrate, estuarine, plankton, coral reef and deep sea. Emphasis is placed on current hypotheses concerning the processes controlling the distribution and abundance of organisms in these communities and critical evaluation of the primary scientific literature. Prerequisites: ECOL-201, or BIOL-205, or EENV-220. 3SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL341 - Marine Ecology Laboratory

Course Details

Subject Code	Course Number	Department(s)
BIOL	341	Biology

Course Title
Marine Ecology Laboratory

Course Description
This course is a 9 day field course where we compare marine ecosystems in the Bahamas or other locations investigating their structure and function. During the field days, we sample different parts of the ecosystems (the pelagic system, coral reefs, mangroves, and hard- and soft benthic communities and their associated fauna and fish communities). Field work is performed as group projects that have been planned and designed in advance by the students. Prerequisites:BIOL 340 and either ECOL-201, BIOL-205, or EENV-220. 1SH.

Course Types
Standard (STAND), Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
2

BIOL350 - Investigative Problems in Biology

Course Details

Subject Code	Course Number	Department(s)
BIOL	350	Biology

Course Title
Investigative Problems in Biology

Course Description
Offered as a capstone experience for biology majors in Group B. Provides an authentic research experience based in the area of expertise of the supervising faculty. Students will learn important laboratory and/or field approaches to collect novel data in order to answer research questions. Course elements include experimental design, data collection and analysis, and presentation in oral and written formats. Prerequisites: Senior standing, BIOL-205, and either BIOL-220 or MATH-108 or MATH-180, or permission of the instructor. 4 SH. Capstone.

Course Types
Science Lab (LAB), Capstone (CAPS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

BIOL400 - Immunology

Course Details

Subject Code	Course Number	Department(s)
BIOL	400	Biology

Course Title
Immunology

Course Description
Investigates how the immune system defends vertebrate organisms against invasion by pathogenic microorganisms. Discusses recognition of antigens and interactions between components ofthe immune system from a molecular perspective. Prerequisite: BIOL-102. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL401 - Immunology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	401	Biology

Course Title
Immunology Lab

Course Description
Techniques used in immunological studies. Topics include antibody purification, immunofluorescence and Western blot analysis. Laboratory cannot be taken without BIOL-400. Prerequisite: BIOL-102. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL404 - Plant Physiology

Course Details

Subject Code	Course Number	Department(s)
BIOL	404	Biology

Course Title
Plant Physiology

Course Description
The physiology of photosynthetic organisms. Includes photosynthesis, translocation, metabolism, mineral nutrition, photoperiodism, hormones, growth and development. Prerequisite: BIOL-205. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL405 - Plant Physiology Lab

Course Details

Subject Code
BIOL

Course Number
405

Department(s)
Biology

Course Title
Plant Physiology Lab

Course Description
A series of experiments designed to illustrate the unique physiology of photosynthetic organisms. Laboratory may not be taken without BIOL-404. Prerequisite: BIOL-205. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL408 - Aquatic Ecology

Course Details

Subject Code
BIOL

Course Number
408

Department(s)
Biology

Course Title
Aquatic Ecology

Course Description
The ecology of freshwater ecosystems. Emphasizes biota of freshwater and their relationships with physical and chemical components of lakes, streams and reservoirs. Same as ECOL-408. Prerequisite: BIOL-101 or ECOL-100. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL409 - Aquatic Ecology Lab

Course Details

Subject Code
BIOL

Course Number
409

Department(s)
Biology

Course Title
Aquatic Ecology Lab

Course Description
Field laboratory in aquatic ecology techniques. Topics include physical and chemical measurements and the identification and enumeration of phytoplankton, zooplankton, aquatic plants and benthic organisms. Same as ECOL-409. Laboratory may not be taken without BIOL-408 (or ECOL-408). Prerequisite: BIOL-101 or ECOL-100. 1 SH. 4 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL416 - Limnology Lecture

Course Details

Subject Code
BIOL

Course Number
416

Department(s)
Biology

Course Title
Limnology Lecture

Course Description
This is a course on the ecology of limnetic environments with an emphasis on freshwater biota together with the physical and chemical properties of lakes, ponds, wetlands, and reservoirs. Prerequisite: BIOL 205, or ECOL 110, or EENV 101. 3 lecture hours. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

BIOL417 - Limnology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	417	Biology

Course Title
Limnology Lab

Course Description
This is a field laboratory course that covers methods used to study the ecology of ponded surface waters (wetlands, ponds, lakes and reservoirs). Topics include chemical and physical measurements together with the identification and enumeration of phytoplankton, zooplankton, aquatic plants, and benthic organisms. Laboratory may not be taken without Limnology Lecture. Prerequisite: BIOL 205, or ECOL 110, or EENV 101. 1 SH. 3 laboratory hours

Course Types
Science Lab (LAB), Standard (STAND), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL440 - Behavioral Neuroendocrinology

Course Details

Subject Code	Course Number	Department(s)
BIOL	440	Biology

Course Title
Behavioral Neuroendocrinology

Course Description
This course deals with the interrelationships among hormones, the brain, and behavior. The role of the nervous system and hormones in the development and regulation of behavior, as well as how experience can regulate neuroendocrine physiology, will be examined. This course puts special emphasis on generating and testing hypotheses based on knowledge gained from reviewing the primary literature. Specific topics covered include the endocrine regulation of reproductive behavior, aggressive behavior, biological rhythms, energy balance, stress, learning,and memory. Prerequisite: BIOL-205. Corequisite: BIOL-441. 3 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
3

BIOL441 - Behavioral Neuroendocrinology Lab

Course Details

Subject Code	Course Number	Department(s)
BIOL	441	Biology

Course Title
Behavioral Neuroendocrinology Lab

Course Description
This course investigates the experimental methodology used by behavioral neuroendocrinologists to investigate the interrelationships among hormones, the brain, and behavior. The course provides hands-on learning about laboratory techniques that examine neuropeptides, hormones, brain structures, and behavior, as well as proper use of animals in research, experimental design, and statistical analysis. Hypothesis development and testing is emphasized, and a portion of the grade is based on an independent research project. Prerequisite: BIOL-205. Corequisite: BIOL-440. 1 SH. 3 laboratory hours. CC: Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

BIOL455 - Functional Neuroanatomy

Course Details

Subject Code	Course Number	Department(s)
BIOL	455	Biology

Course Title
Functional Neuroanatomy

Course Description
This course is a detailed look at the sophisticated cellular and molecular mechanisms in the nervous system and how these mechanisms provide the foundation for circuits and functional neuroanatomical structures capable of generating complex behaviors and physiological functions. This course connects functional cellular and anatomical units of the nervous system to behaviors typically addressed by the field of psychology, such as learning, motivation, addiction, and psychological disorders. The intial material focuses on the molecular structure and function of neurons and then builds upon this foundation by progressively assembling the functional neuroanatomical structures of the nervous system and considering the complex behaviors that these structures generate. Prerequisites: BIOL-102, PSYC-101 and junior standing or instructor's permission. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Interdisciplinary.

Course Types
Science Lab (LAB), Interdisciplinary (DISCP), Biology Lab (BILAB)

Semester Hours

Semester Hours:
4

BIOL500 - Topics in Biology

Course Details

Subject Code
BIOL

Course Number
500

Department(s)
Biology

Course Title
Topics in Biology

Course Description
Varying topics of interest to students and instructor. Possible topics include genetic engineering advances in embryology, plant products, reproductive physiology and stress ecology. Prerequisites: Prior course in general topic area and instructor's permission. Variable credit.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

BIOL502 - Biology Internship

Course Details

Subject Code
BIOL

Course Number
502

Department(s)
Biology

Course Title
Biology Internship

Course Description
Career investigation for junior and senior biology majors. May be repeated once. A written report of the internship will be required. Prerequisite: First two years of the biology major program. 1 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
2

BIOL504 - Independent Study

Course Details

Subject Code
BIOL

Course Number
504

Department(s)
Biology

Course Title
Independent Study

Course Description
Investigation of a specific topic or problem in biology under the guidance of an appropriate faculty member. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

BIOL510 - Student Research I

Course Details

Subject Code
BIOL

Course Number
510

Department(s)
Biology

Course Title
Student Research I

Course Description
Introduces students to methods and techniques of biological research in the context of a collaborative research project. Required for students in the Group A track. Prerequisite: Instructor's permission. 4 SH. 16 contact hours. Capstone.

Course Types
Research (RSRCH), Capstone (CAPS)

Semester Hours

Semester Hours:
4

BIOL511 - Student Research II

Course Details

Subject Code
BIOL

Course Number
511

Department(s)
Biology

Course Title
Student Research II

Course Description
Collaborative research with an emphasis on presentation of data and explanation of results. Required for students in the Group A track. Prerequisite: Instructor's permission. 4 SH. 16 contact hours. Capstone. CC: Writing Intensive.

Course Types
Research (RSRCH), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

BIOL560 - Interdisciplinary Explorations Biology

Course Details

Subject Code	Course Number	Department(s)
BIOL	560	Biology

Course Title
Interdisciplinary Explorations Biology

Course Description
Explores salient issues in the biological sciences from an interdisciplinary perspective. Prerequisite: Sophomore standing and either BIOL-101 or BIOL-102 or instructor's permission. 2-4 SH. CC: Interdisciplinary

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

BIOL565 - Reproductive Tech & Genome Editing Reproductive Tech & Genome

Course Details

Subject Code	Course Number	Department(s)
BIOL	565	Biology

Course Title
Reproductive Tech & Genome Editing Reproductive Tech & Genome

Course Description
The course will explore the scientific basis of different Assisted Reproductive Technologies (ART) and genome editing technologies (GET). The medical, public health, societal, environmental, and economic impacts that result from the use of ART & GET, and ethical issues pertaining to disparities in access to ART & GET based on insurance coverage, race, ethnicity, and geography will also be examined. Pre-requisites: Sophomore standing and BIOL-102 or Instructor's permission. 4SH. CC: Interdisciplinary, Ethics Intensive.

Course Types
Interdisciplinary (DISCP), Ethics Intensive (INETH), Standard (STAND)

Semester Hours

Semester Hours:
4

EXSC101 - Intro to Exercise Science

Course Details

Subject Code	Course Number	Department(s)
EXSC	101	Biology

Course Title
Intro to Exercise Science

Course Description
This course offers a broad introduction to the scientific study of human movement, health, and performance. Students will explore the foundational concepts of exercise science, including anatomy, physiology, biomechanics, motor control, psychology, and nutrition. The course emphasizes the integration of science and practice and introduces students to professional and research careers within the field of exercise science. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EXSC320 - Exercise Physiology

Course Details

Subject Code	Course Number	Department(s)
EXSC	320	Biology

Course Title
Exercise Physiology

Course Description
This course examines the acute and chronic physiological responses and adaptations of the human body to exercise. Topics include energy metabolism, neuromuscular and cardiovascular function, respiratory dynamics, thermoregulation, and endocrine responses during physical activity. Emphasis is placed on understanding how these systems interact to support performance, training, and overall health. Students will also explore applications of exercise physiology principles to fitness assessment, exercise prescription, and special populations. Prerequisites: HLCR-350 and HLCR-355. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EXSC321 - Exercise Physiology Laboratory

Course Details

Subject Code	Course Number	Department(s)
EXSC	321	Biology

Course Title
Exercise Physiology Laboratory

Course Description
Exercise physiology laboratory is designed to reinforce lecture concepts through hands-on application of physiological measurement and data interpretation. Laboratory sessions provide hands-on experience with techniques used to evaluate physiological variables during rest and exercise. Students will gain experience using professional-grade equipment to measure cardiovascular, respiratory, metabolic, and neuromuscular responses to exercise. Prerequisites: HLCR-350 and HLCR-355. Prerequisite or corequisite: EXSC-320.1SH.

Course Types
Standard (STAND), Science Lab (LAB)

Semester Hours

Semester Hours:
0

EXSC330 - Biomechanics

Course Details

Subject Code	Course Number	Department(s)
EXSC	330	Biology

Course Title
Biomechanics

Course Description
This course examines the mechanical principles underlying human movement, focusing on how forces, motion, and structure interact to influence performance, injury, and rehabilitation. Students analyze both qualitative and quantitative aspects of motion through lectures, problem sets, and data analysis exercises. Topics include kinematics, kinetics, levers, linear and angular motion, and applications in exercise, sport, and rehabilitation. Prerequisites: HLCR-350, HLCR-355, and either PHYS-202 or PHYS-204. 3 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

EXSC331 - Biomechanics Laboratory

Course Details

Subject Code	Course Number	Department(s)
EXSC	331	Biology

Course Title
Biomechanics Laboratory

Course Description
This laboratory course provides hands-on experience with the measurement and analysis of human movement. Students apply biomechanical principles to assess motion, force, and muscle activity. Emphasis is placed on data collection, interpretation, and the practical application of biomechanics to exercise performance. Laboratory activities complement topics covered in the Biomechanics lecture course. Prerequisite or corequisite: EXSC-330. 1 SH.

Course Types
Science Lab (LAB), Standard (STAND)

Semester Hours

Semester Hours:
1

EXSC340 - Motor Learning and Control

Course Details

Subject Code	Course Number	Department(s)
EXSC	340	Biology

Course Title
Motor Learning and Control

Course Description
This course examines how the brain and body work together to produce skilled movement and how humans acquire, refine, and retain motor skills. Drawing from neuroscience, physiology, psychology, and kinesiology, the course explores neural mechanisms of motor control and the cognitive and behavioral principles that underlie motor learning. Students will connect foundational neuroscience with applied topics in exercise performance, skill acquisition, and rehabilitation across the lifespan. Prerequisites: HLCR-350 and HLCR-355. 4 SH.

Course Types
Standard (STAND), Science Lab (LAB)

Semester Hours

Semester Hours:
4

EXSC500 - Exercise Science Internship

Course Details

Subject Code	Course Number	Department(s)
EXSC	500	Biology

Course Title
Exercise Science Internship

Course Description
A minimum of 40 hours of experience is required for each internship. Students may arrange for an internship in a wide range of settings depending upon their interests. Typical settings include hospital or clinic-based practice, private practice, and public health areas. Internship experiences may range from strictly observational to more hands on, depending upon the actual internship. Students must apply through the Office of the Registrar and submit a Student Learning Contract before beginning their internship. 0-2 SH.

Course Types
Standard (STAND), Internship (INTRN)

Semester Hours

Semester Hours:	Credit Hours Max:
0	2

EXSC505 - Investigative Problems in Exercise Sci

Course Details

Subject Code	Course Number	Department(s)
EXSC	505	Biology

Course Title
Investigative Problems in Exercise Sci

Course Description
This course serves as the capstone course for the exercise science major, providing students with an authentic research experience based in the area of expertise of the supervising faculty. Students will learn important approaches to collect novel data to answer research questions. Course elements include experimental design, data collection and analysis, and presentation in oral and written formats. Prerequisites: Senior standing and BIOL-220. 6 laboratory hours. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

Chemistry Department

Faculty

Swarna Basu, Ph.D., Professor of Chemistry, department head

Geneive Elizabeth Henry, Ph.D., Professor of Chemistry

William G. Dougherty, Jr, Ph.D., Associate Professor of Chemistry

Michael A. Parra, Ph.D., Associate Professor of Chemistry

Phillip Brogdon, Ph.D., Assistant Professor of Chemistry

Grace C. Thaggard, Ph.D., Assistant Professor of Chemistry

Susquehanna University

Zoe M. Gehman, Ph.D., Visiting Assistant Professor of Chemistry

Programs

Biochemistry 3-4 Pharmacy (BS)

About the Program

Program Title
Biochemistry 3-4 Pharmacy (BS)

Degree
Bachelor of Science

Program Code
BIOC.3-4.BS

Learning Goals
-

Double-counting Restriction
Students may only pursue either a single major or minor offered by the Department of Chemistry.

Departmental honors requirements
The departmental honors program encourages and recognizes superior performance in chemistry. To graduate with honors in chemistry, candidates must do the following:
• Maintain at least a 3.25 cumulative GPA overall and a 3.50 cumulative GPA in chemistry courses (plus biology courses for biochemistry majors),
• Petition the research advisor in writing by the third week of their final semester. The research advisor will make a request on behalf of the honors candidate to the department chair.
• Upon departmental approval, submit an acceptable written thesis based on a minimum of 4 semester hours of CHEM-400, completed during the junior and/or senior years, and CHEM-500 (or BIOL-510 and BIOL-511, if approved by the Chemistry Department), and
• Pass an oral thesis defense.

Pharmacy Joint Program with Duquesne University and Temple University

Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna Central Curriculum requirements, courses for a major program in chemistry or biochemistry, and pre-pharmacy foundation courses prescribed by the specific joint university.

For Duquesne University, students will complete a three-year undergraduate Pre-Pharmacy curriculum at Susquehanna University, 110-116 semester hours towards the graduation requirements for either the chemistry or biochemistry major, including all central curriculum requirements, earn a minimum grade of “C” in all Susquehanna University undergraduate courses, and maintain a minimum overall GPA of 2.50 or better in all Susquehanna University undergraduate courses.

For Temple University, students will complete a minimum of 112 semester hours towards the graduation requirements for the biochemistry major, including all central curriculum requirements and the necessary additional prerequisite courses, within the three years immediately preceding matriculation at Temple. In addition, students will earn a minimum cumulative GPA of 2.7 and a minimum GPA of 3.0 in all math and science courses and earn a minimum grade of a “C” in courses considered for transfer into the PharmD Program.

Approved candidates enroll at the joint university for four years, earning both a bachelor’s degree in chemistry or biochemistry from Susquehanna and Doctor of Pharmacy degree from the joint university. Select coursework from the first year at the joint university will transfer back to Susquehanna University, and students will complete their bachelor’s degree requirements at the end of that year (residency waivers will be approved upon submission to the Residency Waiver Committee). Students will not satisfy the requirements of their Susquehanna bachelor’s degree until the additional courses from the joint university are completed. For more information, contact Professor of Chemistry Swarna Basu.

Program Requirements

Requirements

Lake Erie College of Osteopathic Medicine (LECOM) Early Acceptance Programs
High school students as well as first- and second-year Susquehanna University students (with fewer than 60 college credits total) may apply to LECOM’s Early Acceptance Program through LECOM’s Early Acceptance Program (EAP) portal. After screening, selected students will be offered an interview by LECOM. If successful they will be given provisional acceptance to the Doctor of Osteopathic Medicine (DO), Doctor of Dental Medicine (DMD), Doctor of Podiatric Medicine (DPM), or Doctor of Pharmacy (PharmD) program. LECOM will guarantee 5 EAP seats annually to the DO and DMD programs for qualifying students. Seats for dental school will be available only at the LECOM Bradenton, FL dental school. Seats in the Pharmacy program will be available at the Lake Erie Campus or the Bradenton, FL campus. LECOM will guarantee 2 EAP seats for provisionally accepted students in the DPM program.

Pharmacy Joint Program with Duquesne University and Temple University
Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna Central Curriculum requirements, courses for a major program in chemistry or biochemistry, and pre-pharmacy foundation courses prescribed by the specific joint university.

For Duquesne University, students will complete a three-year undergraduate Pre-Pharmacy curriculum at Susquehanna University, 110-116 semester hours towards the graduation requirements for either the chemistry or biochemistry major, including all central curriculum requirements, earn a minimum grade of “C” in all Susquehanna University undergraduate courses, and maintain a minimum overall GPA of 2.50 or better in all Susquehanna University undergraduate courses.

For Temple University, students will complete a minimum of 112 semester hours towards the graduation requirements for the biochemistry major, including all central curriculum requirements and the necessary additional prerequisite courses, within the three years immediately preceding matriculation at Temple. In addition, students will earn a minimum cumulative GPA of 2.7 and a minimum GPA of 3.0 in all math and science courses and earn a minimum grade of a “C” in courses considered for transfer into the PharmD Program.

Approved candidates enroll at the joint university for four years, earning both a bachelor’s degree in chemistry or biochemistry from Susquehanna and Doctor of Pharmacy degree from the joint university. Select coursework from the first year at the joint university will transfer back to Susquehanna University, and students will complete their bachelor’s degree requirements at the end of that year (residency waivers will be approved upon submission to the Residency Waiver Committee). Students will not satisfy the requirements of their Susquehanna bachelor’s degree until the additional courses from the joint university are completed. For more information, contact Professor of Chemistry Swarna Basu.

Biochemistry - Secondary Education (BS)

About the Program

Program Title
Biochemistry - Secondary Education (BS)

Degree
Bachelor of Science

Program Code
BIOC.ED.BS

Program Description
Susquehanna offers a Bachelor of Arts degree in chemistry and Bachelor of Science degrees in chemistry, biochemistry and chemical physics. Two biochemistry tracks are available: an ACS-Certified track and a Biology-Intensive track. The ACS-Certified track includes courses that cover properties of metals, spectroscopic techniques and instrumental methods that will prepare students for careers or graduate programs in the areas of biochemistry or biophysics. The Biology-Intensive track includes courses that will offer a solid foundation in chemical principles in addition to biological systems and will prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions. All required courses must be completed with a grade of C- or higher.

Secondary Teaching Certification

The Chemistry Department offers secondary teaching certification for both chemistry and biochemistry majors.

Program Requirements

Requirements
In addition to the Education course requirements listed below, secondary education chemistry students complete all of the usual requirements for the chemistry or biochemistry major, except for CHEM-400, and CHEM-500 (which is fulfilled with EDUC-500 Student Teaching Package.) While not required, it is recommended that secondary education students complete at least 2 semester hours of CHEM-400.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Biochemistry (BS)

About the Program

Program Title
Biochemistry (BS)

Degree
Bachelor of Science

Program Code
BIOCHEM.BS

Program Description
Susquehanna offers a Bachelor of Arts degree in chemistry and Bachelor of Science degrees in chemistry, biochemistry and chemical physics. Four biochemistry tracks are available: an ACS-Certified track, a Biology-Intensive track, a 3+4 Pharmacy track, and an ASBMB-Certified track. The ACS-Certified track includes courses that cover properties of metals, spectroscopic techniques and instrumental methods that will prepare students for careers or graduate programs in the areas of biochemistry or biophysics. The Biology-Intensive track includes courses that will offer a solid foundation in chemical principles in addition to biological systems and will prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions. The 3+4 Pharmacy track includes courses that are prerequisites for admission to the cooperative pharmacy programs at Duquesne University and Temple University and will also prepare students for other healthcare careers. The ASBMB-Certified track includes courses that are required for students to receive a certified degree and additional benefits from the American Society for Biochemistry and Molecular Biology and will also prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions All required courses must be completed with a grade of C- or higher.

Learning Goals
- Demonstrate the ability to apply appropriate chemical and physical models to make predictions or draw conclusions regarding chemical systems or phenomenon. Examples of chemical systems are compound formation (synthesis), energy transfer, equilibrium composition, various physical properties, chemical reactivity, etc
- Demonstrate mastery of laboratory skills and execute common experimental techniques
- Demonstrate the ability to design, prepare, execute and adjust experiments
- Describe the theoretical and operational principles of common laboratory instrumentation such as NMR, FT- IR, UV-Vis, AA, fluorescence spectrometers, GC-MS, HPLC and electrochemical analysis instrumentation, as well as their typical uses, sensitivities and limitations. Interpret the data collected with such instrumentation
- Find topic-specific chemical literature, interpret and evaluate chemical studies as described in scientific journals, and describe these conclusions through written and oral presentations
- Analyze and interpret data to detect trends, evaluate the quality of data and reach scientifically valid conclusions

Double-counting Restriction
Students may only pursue either a single major or minor offered by the Department of Chemistry.

Departmental honors requirements
The departmental honors program encourages and recognizes superior performance in chemistry. To graduate with honors in chemistry, candidates must do the following:
• Maintain at least a 3.25 cumulative GPA overall and a 3.50 cumulative GPA in chemistry courses (plus biology courses for biochemistry majors),
• Petition the research advisor in writing by the third week of their final semester. The research advisor will make a request on behalf of the honors candidate to the department chair.
• Upon departmental approval, submit an acceptable written thesis based on a minimum of 4 semester hours of CHEM-400, completed during the junior and/or senior years, and CHEM-500 (or BIOL-510 and BIOL-511, if approved by the Chemistry Department), and
• Pass an oral thesis defense.

American Chemical Society Accreditation

The department's major in chemistry is accredited by the American Chemical Society.

Program Requirements

Requirements
The Bachelor of Science degree in biochemistry requires the following courses with grades of C- or better:

4 General Chemistry I – choose from: CHEM-103 or CHEM-111

4 General Chemistry II – choose from: CHEM-204 or CHEM-232

4 CHEM-221 Organic Chemistry I

4 CHEM-222 Organic Chemistry II

4 CHEM-242 Methods of Chemical Analysis

4 CHEM-341 Thermodynamics and Kinetics

4 CHEM-426 Biochemistry of Proteins and Enzymes and CHEM-427 Biochemistry of Proteins and Enzymes Laboratory

4 CHEM-422 Biochemistry of Nucleic Acid and CHEM-423 Biochemistry of Nucleic Acid Lab

OR CHEM-424 Biochemistry of Metabolism and CHEM-429 Biochemistry of Metabolism Lab

4 Four semester equivalents of CHEM-505 Seminar

4 PHYS-204 Introductory Physics I: Calculus

4 Introductory Physics II: Calculus (PHYS-206)

4 BIOL-102 Cell Biology and Genetics

4 CHEM-400 Research Experience

2 CHEM-500 Problems in Chemistry and Biochemistry

0-8 Mathematics through MATH-112 Calculus II

In addition to the courses outlined above, students will complete one of the following options.

Biology-Intensive Track

12 Semester hours of biology courses beyond BIOL-102, at least 8 of which must be at or above the 300 level (excluding BIOL-510), which may include HLCR-350 Anatomy and Physiology I (4 SH) and/or HLCR-355 Anatomy and Physiology II (4 SH).

ACS-Certified Track

4 Semester hours of biology courses beyond BIOL-102, at or above the 300-level (excluding BIOL-510)

4 CHEM-450 Advanced Inorganic Chemistry

4 CHEM-342 Physical Chemistry II or CHEM-430 Instrumental Analysis

A student completing a double-major that includes a B.S. in Biochemistry may replace CHEM-500 with a capstone in the second major.

ASBMB-Certified Track

12 Semester hours of biology courses beyond BIOL-102

4 BIOL-312/BIOL-313 Microbiology and Microbiology Lab or CHEM-313 Biotechnology*

4 BIOL-300/BIOL-301 Developmental Biology and Developmental Biology Lab or BIOL-306/BIOL-307 Cell Biology and Cell Biology Lab

4 BIOL-316/BIOL-317 Molecular Biology and Molecular Biology Lab or BIOL-319 Advanced Genetics or BIOL-400/401 Immunology and Immunology Lab or BIOL-565 Assisted Reproductive Technologies and Genome Editing

* CHEM 313 (Biotechnology) fulfills the ASBMB certification requirement for but **does not** count as a biology elective.

3+4 Pharmacy Track

12 Semester hours of biology courses beyond BIOL-102

4 BIOL-312/BIOL-313 Microbiology and Microbiology Lab

4 HLCR-350 Anatomy and Physiology I

4 HLCR-355 Anatomy and Physiology II

Through Susquehanna's ASBMB-accredited biochemistry program, students can earn ASBMB certification by completing an optional exam, demonstrating their preparation and competitiveness on a national level. Students are also eligible to join ASBMB at both the national and collegiate chapter levels, gaining access to funding opportunities for research and scholarships.

Chemistry 3-2 Pre-Engineering (BA)

About the Program

Program Title
Chemistry 3-2 Pre-Engineering (BA)

Degree
Bachelor of Arts

Program Code
CHEM.3-2.BA

Learning Goals
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Double-counting Restriction
Students may only pursue either a single major or minor offered by the Department of Chemistry.

Departmental honors requirements
The departmental honors program encourages and recognizes superior performance in chemistry. To graduate with honors in chemistry, candidates must do the following:
• Maintain at least a 3.25 cumulative GPA overall and a 3.50 cumulative GPA in chemistry courses (plus biology courses for biochemistry majors),
• Petition the research advisor in writing by the third week of their final semester. The research advisor will make a request on behalf of the honors candidate to the department chair.
• Upon departmental approval, submit an acceptable written thesis based on a minimum of 4 semester hours of CHEM-400, completed during the junior and/or senior years, and CHEM-500 (or BIOL-510 and BIOL-511, if approved by the Chemistry Department), and
• Pass an oral thesis defense.

Engineering Joint Program with Columbia University, Washington University in St. Louis and Case Western University

Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna distributional requirements, courses for a major program in chemistry, computer science, mathematics or physics, and pre-engineering foundation courses prescribed by the specific joint university.

For Columbia University, students must earn a pre-engineering GPA of 3.30 or higher, as calculated by Columbia University. Additionally, the minimum grade for each pre-engineering science or math course must be a B (3.0) or better on the first attempt.

For Washington University in St. Louis, students must earn an overall and pre-engineering GPA of 3.25 or higher, as calculated by Washington University.

For Case Western University, students must earn an overall and pre-engineering GPA of 3.0 or higher, as calculated by Case Western University.

Approved candidates enroll at the partner university for two years, earning both a bachelor's degree in chemistry, computer science, mathematics or physics from Susquehanna and an engineering degree from the respective partner university. For more information, contact Professor of Physics Samya Zain.

Chemistry 3-2 Pre-Engineering (BS)

About the Program

Program Title
Chemistry 3-2 Pre-Engineering (BS)

Degree
Bachelor of Science

Program Code
CHEM.3-2.BS

Chemistry 3-4 Pharmacy (BS)

About the Program

Program Title
Chemistry 3-4 Pharmacy (BS)

Degree
Bachelor of Science

Program Code
CHEM.3-4.BS

Learning Goals

-

Double-counting Restriction

Students may only pursue either a single major or minor offered by the Department of Chemistry.

Departmental honors requirements

The departmental honors program encourages and recognizes superior performance in chemistry. To graduate with honors in chemistry, candidates must do the following:

• Maintain at least a 3.25 cumulative GPA overall and a 3.50 cumulative GPA in chemistry courses (plus biology courses for biochemistry majors),

• Petition the research advisor in writing by the third week of their final semester. The research advisor will make a request on behalf of the honors candidate to the department chair.

• Upon departmental approval, submit an acceptable written thesis based on a minimum of 4 semester hours of CHEM-400, completed during the junior and/or senior years, and CHEM-500 (or BIOL-510 and BIOL-511, if approved by the Chemistry Department), and

• Pass an oral thesis defense.

Pharmacy Joint Program with Duquesne University and Temple University

Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna Central Curriculum requirements, courses for a major program in chemistry or biochemistry, and pre-pharmacy foundation courses prescribed by the specific joint university.

For Duquesne University, students will complete a three-year undergraduate Pre-Pharmacy curriculum at Susquehanna University, 110-116 semester hours towards the graduation requirements for either the chemistry or biochemistry major, including all central curriculum requirements, earn a minimum grade of “C” in all Susquehanna University undergraduate courses, and maintain a minimum overall GPA of 2.50 or better in all Susquehanna University undergraduate courses.

For Temple University, students will complete a minimum of 112 semester hours towards the graduation requirements for the biochemistry major, including all central curriculum requirements and the necessary additional prerequisite courses, within the three years immediately preceding matriculation at Temple. In addition, students will earn a minimum cumulative GPA of 2.7 and a minimum GPA of 3.0 in all math and science courses and earn a minimum grade of a “C” in courses considered for transfer into the PharmD Program.

Approved candidates enroll at the joint university for four years, earning both a bachelor’s degree in chemistry or biochemistry from Susquehanna and Doctor of Pharmacy degree from the joint university. Select coursework from the first year at the joint university will transfer back to Susquehanna University, and students will complete their bachelor’s degree requirements at the end of that year (residency waivers will be approved upon submission to the Residency Waiver Committee). Students will not satisfy the requirements of their Susquehanna bachelor’s degree until the additional courses from the joint university are completed. For more information, contact Professor of Chemistry Swarna Basu.

Chemistry (BA)

About the Program

Program Title
Chemistry (BA)

Degree
Bachelor of Arts

Program Code
CHEM.BA

Program Description
Susquehanna offers a Bachelor of Arts degree in chemistry and Bachelor of Science degrees in chemistry, biochemistry and chemical physics. Four biochemistry tracks are available: an ACS-Certified track, a Biology-Intensive track, a 3+4 Pharmacy track, and an ASBMB-Certified track. The ACS-Certified track includes courses that cover properties of metals, spectroscopic techniques and instrumental methods that will prepare students for careers or graduate programs in the areas of biochemistry or biophysics. The Biology-Intensive track includes courses that will offer a solid foundation in chemical principles in addition to biological systems and will prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions. The 3+4 Pharmacy track includes courses that are prerequisites for admission to the cooperative pharmacy programs at Duquesne University and Temple University and will also prepare students for other healthcare careers. The ASBMB-Certified track includes courses that are required for students to receive a certified degree and additional benefits from the American Society for Biochemistry and Molecular Biology and will also prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions All required courses must be completed with a grade of C- or higher.

Learning Goals
- Demonstrate the ability to apply appropriate chemical and physical models to make predictions or draw conclusions regarding chemical systems or phenomenon. Examples of chemical systems are compound formation (synthesis), energy transfer, equilibrium composition, various physical properties, chemical reactivity, etc
- Demonstrate mastery of laboratory skills and execute common experimental techniques
- Demonstrate the ability to design, prepare, execute and adjust experiments
- Describe the theoretical and operational principles of common laboratory instrumentation such as NMR, FT- IR, UV-Vis, AA, fluorescence spectrometers, GC-MS, HPLC and electrochemical analysis instrumentation, as well as their typical uses, sensitivities and limitations. Interpret the data collected with such instrumentation
- Find topic-specific chemical literature, interpret and evaluate chemical studies as described in scientific journals, and describe these conclusions through written and oral presentations
- Analyze and interpret data to detect trends, evaluate the quality of data and reach scientifically valid conclusions

Double-counting Restriction
Students may only pursue either a single major or minor offered by the Department of Chemistry.

Departmental honors requirements
The departmental honors program encourages and recognizes superior performance in chemistry. To graduate with honors in chemistry, candidates must do the following:
• Maintain at least a 3.25 cumulative GPA overall and a 3.50 cumulative GPA in chemistry courses (plus biology courses for biochemistry majors),
• Petition the research advisor in writing by the third week of their final semester. The research advisor will make a request on behalf of the honors candidate to the department chair.
• Upon departmental approval, submit an acceptable written thesis based on a minimum of 4 semester hours of CHEM-400, completed during the junior and/or senior years, and CHEM-500 (or BIOL-510 and BIOL-511, if approved by the Chemistry Department), and
• Pass an oral thesis defense.

American Chemical Society Accreditation

The department's major in chemistry is accredited by the American Chemical Society.

Program Requirements

Requirements
The Bachelor of Arts degree in chemistry requires the following courses, with grades of C- or better:

4	General Chemistry I—choose from: CHEM-103 or CHEM-111
4	General Chemistry II—choose from: CHEM-204 or CHEM-232
4	CHEM-221 Organic Chemistry I
4	CHEM-222 Organic Chemistry II
4	CHEM-242 Methods of Chemical Analysis
4	CHEM-341 Thermodynamics and Kinetics
4	CHEM-342 Quantum Chemistry and Spectroscopy
4	CHEM-450 Advanced Inorganic Chemistry
4	PHYS-204 Introductory Physics I (Calculus-based)
4	PHYS-206 Introductory Physics II (Calculus-based)
4	Four semester equivalents of CHEM-505 Seminar
0-8	Mathematics through MATH-112 Calculus II
2	CHEM-400 Research Experience
2	CHEM-500 Problems in Chemistry and Biochemistry

Other chemistry courses selected to fulfill career goals.

Chemistry (BS)

About the Program

Program Title
Chemistry (BS)

Degree
Bachelor of Science

Program Code
CHEM.BS

Program Description
Susquehanna offers a Bachelor of Arts degree in chemistry and Bachelor of Science degrees in chemistry, biochemistry and chemical physics. Four biochemistry tracks are available: an ACS-Certified track, a Biology-Intensive track, a 3+4 Pharmacy track, and an ASBMB-Certified track. The ACS-Certified track includes courses that cover properties of metals, spectroscopic techniques and instrumental methods that will prepare students for careers or graduate programs in the areas of biochemistry or biophysics. The Biology-Intensive track includes courses that will offer a solid foundation in chemical principles in addition to biological systems and will prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions. The 3+4 Pharmacy track includes courses that are prerequisites for admission to the cooperative pharmacy programs at Duquesne University and Temple University and will also prepare students for other healthcare careers. The ASBMB-Certified track includes courses that are required for students to receive a certified degree and additional benefits from the American Society for Biochemistry and Molecular Biology and will also prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions All required courses must be completed with a grade of C- or higher.

Learning Goals
- Demonstrate the ability to apply appropriate chemical and physical models to make predictions or draw conclusions regarding chemical systems or phenomenon. Examples of chemical systems are compound formation (synthesis), energy transfer, equilibrium composition, various physical properties, chemical reactivity, etc
- Demonstrate mastery of laboratory skills and execute common experimental techniques
- Demonstrate the ability to design, prepare, execute and adjust experiments
- Describe the theoretical and operational principles of common laboratory instrumentation such as NMR, FT- IR, UV-Vis, AA, fluorescence spectrometers, GC-MS, HPLC and electrochemical analysis instrumentation, as well as their typical uses, sensitivities and limitations. Interpret the data collected with such instrumentation
- Find topic-specific chemical literature, interpret and evaluate chemical studies as described in scientific journals, and describe these conclusions through written and oral presentations
- Analyze and interpret data to detect trends, evaluate the quality of data and reach scientifically valid conclusions

Double-counting Restriction
Students may only pursue either a single major or minor offered by the Department of Chemistry.

Departmental honors requirements
The departmental honors program encourages and recognizes superior performance in chemistry. To graduate with honors in chemistry, candidates must do the following:
• Maintain at least a 3.25 cumulative GPA overall and a 3.50 cumulative GPA in chemistry courses (plus biology courses for biochemistry majors),
• Petition the research advisor in writing by the third week of their final semester. The research advisor will make a request on behalf of the honors candidate to the department chair.
• Upon departmental approval, submit an acceptable written thesis based on a minimum of 4 semester hours of CHEM-400, completed during the junior and/or senior years, and CHEM-500 (or BIOL-510 and BIOL-511, if approved by the Chemistry Department), and
• Pass an oral thesis defense.

American Chemical Society Accreditation

The department's major in chemistry is accredited by the American Chemical Society.

Program Requirements

Requirements
The Bachelor of Science degree in chemistry with American Chemical Society certification requires a minimum of 49 semester hours in chemistry. Students will meet the requirements for the degree by completing the following courses: all courses required for the Bachelor of Arts degree listed below; CHEM-430 Instrumental Analysis, one biochemistry course from among CHEM-422 The Biochemistry of Nucleic Acids, CHEM-424 The Biochemistry of Metabolism or CHEM-426 The Biochemistry of Proteins and Enzymes; and one elective course from among CHEM-300 Topics in Chemistry, CHEM-302 Medicinal Chemistry, CHEM-303 Scientific Ethics, Blunders, and Fraud, CHEM-304 Pharmaceutical Chemistry, CHEM-305 Forensic Chemistry, CHEM-306 Nanoscience, CHEM-313 Biotechnology, or CHEM-316 Nuclear Chemistry: Power, Medicine, Policy. In addition, students will complete a minimum of four semester hours of CHEM-400 during the junior and/or senior year (including the two semester hours required for the Bachelor of Arts degree) and either MATH-201 Linear Algebra or MATH-353 Differential Equations.

A student completing a double major that includes a Bachelor of Arts or Bachelor of Science degree in Chemistry may replace CHEM-500 with a capstone in the second major.

4	General Chemistry I—choose from: CHEM-103 or CHEM-111
4	General Chemistry II—choose from: CHEM-204 or CHEM-232
4	CHEM-221 Organic Chemistry I
4	CHEM-222 Organic Chemistry II
4	CHEM-242 Methods of Chemical Analysis
4	CHEM-341 Thermodynamics and Kinetics
4	CHEM-342 Quantum Chemistry and Spectroscopy
4	CHEM-450 Advanced Inorganic Chemistry
4	PHYS-204 Introductory Physics I (Calculus-based)
4	PHYS-206 Introductory Physics II (Calculus-based)
4	Four semester equivalents of CHEM-505 Seminar
0-8	Mathematics through MATH-112 Calculus II
2	CHEM-400 Research Experience
2	CHEM-500 Problems in Chemistry and Biochemistry

Chemistry - Secondary Education (BA)

About the Program

Program Title
Chemistry - Secondary Education (BA)

Degree
Bachelor of Arts

Program Code
CHEM.ED.BA

Program Description
Susquehanna offers a Bachelor of Arts degree in chemistry and Bachelor of Science degrees in chemistry, biochemistry and chemical physics. Two biochemistry tracks are available: an ACS-Certified track and a Biology-Intensive track. The ACS-Certified track includes courses that cover properties of metals, spectroscopic techniques and instrumental methods that will prepare students for careers or graduate programs in the areas of biochemistry or biophysics. The Biology-Intensive track includes courses that will offer a solid foundation in chemical principles in addition to biological systems and will prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions. All required courses must be completed with a grade of C- or higher.

Secondary Teaching Certification

The Chemistry Department offers secondary teaching certification for both chemistry and biochemistry majors.

Program Requirements

Requirements
In addition to the education course requirements listed below, secondary education chemistry students complete all of the usual requirements for the chemistry or biochemistry major, except for CHEM-400, and CHEM-500 (which is fulfilled with EDUC-500 Student Teaching Package.) While not required, it is recommended that secondary education students complete at least 2 semester hours of CHEM-400.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Chemistry - Secondary Education (BS)

About the Program

Program Title
Chemistry - Secondary Education (BS)

Degree
Bachelor of Science

Program Code
CHEM.ED.BS

Program Description
Susquehanna offers a Bachelor of Arts degree in chemistry and Bachelor of Science degrees in chemistry, biochemistry and chemical physics. Two biochemistry tracks are available: an ACS-Certified track and a Biology-Intensive track. The ACS-Certified track includes courses that cover properties of metals, spectroscopic techniques and instrumental methods that will prepare students for careers or graduate programs in the areas of biochemistry or biophysics. The Biology-Intensive track includes courses that will offer a solid foundation in chemical principles in addition to biological systems and will prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions. All required courses must be completed with a grade of C- or higher.

Secondary Teaching Certification

The Chemistry Department offers secondary teaching certification for both chemistry and biochemistry majors.

Program Requirements

Requirements
In addition to the Education course requirements listed below, secondary education chemistry students complete all of the usual requirements for the chemistry or biochemistry major, except for CHEM-400, and CHEM-500 (which is fulfilled with EDUC-500 Student Teaching Package.) While not required, it is recommended that secondary education students complete at least 2 semester hours of CHEM-400.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Chemistry-Management (BS)

About the Program

Program Title
Chemistry-Management (BS)

Degree
Bachelor of Science

Program Code
CHEMM.BS

Program Description
The B.S. degree in chemistry-management prepares students for careers in management, administration, and consulting for chemical and pharmaceutical companies. The degree requires a minimum of 72 semester hours that includes foundational and advanced courses in chemistry and business, with grades of C- or better in courses counting towards the major. The program involves a minimum of 42 semester hours of coursework in STEM and a minimum of 30 semester hours in the business school. It also includes an interdisciplinary research experience in both chemistry and management through the capstone course. Finally, students have the option of choosing a minimum of 10 semester hours of electives, depending on their interests and career goals.

Learning Goals
- Demonstrate the ability to apply appropriate chemical and physical models to make predictions or draw conclusions regarding chemical systems or phenomenon. Examples of chemical systems are compound formation (synthesis), energy transfer, equilibrium composition, various physical properties, chemical reactivity, etc.
- Demonstrate mastery of laboratory skills and execute common experimental techniques.
- Demonstrate the ability to design, prepare, execute and adjust experiments.
- Describe the theoretical and operational principles of common laboratory instrumentation such as NMR, FT- IR, UV-Vis, AA, fluorescence spectrometers, GC-MS, HPLC and electrochemical analysis instrumentation, as well as their typical uses, sensitivities and limitations. Interpret the data collected with such instrumentation.
- Find topic-specific chemical literature, interpret and evaluate chemical studies as described in scientific journals, and describe these conclusions through written and oral presentations.
- Analyze and interpret data to detect trends, evaluate the quality of data and reach scientifically valid conclusions.

Double-counting Restriction
Students may only pursue either a single major or minor offered by the Department of Chemistry. Additionally, students completing this major may not simultaneously complete a major or minor in management.

Departmental honors requirements
The departmental honors program encourages and recognizes superior performance in chemistry. To graduate with honors in chemistry, candidates must do the following:
• Maintain at least a 3.25 cumulative GPA overall and a 3.50 cumulative GPA in chemistry courses (plus biology courses for biochemistry majors),
• Petition the research advisor in writing by the third week of their final semester. The research advisor will make a request on behalf of the honors candidate to the department chair.
• Upon departmental approval, submit an acceptable written thesis based on a minimum of 4 semester hours of CHEM-400, completed during the junior and/or senior years, and CHEM-500 (or BIOL-510 and BIOL-511, if approved by the Chemistry Department), and
• Pass an oral thesis defense.

American Chemical Society Accreditation

The department's major in chemistry is accredited by the American Chemical Society.

Program Requirements

Requirements
The Bachelor of Science degree in chemistry-management requires the following courses with grades of C- or better:

Chemistry Courses (24 SH)

4 General Chemistry I: Choose from: CHEM-103 or CHEM-111

4 CHEM-221 Organic Chemistry I

4 CHEM-222 Organic Chemistry II

4 CHEM-232 Structure and Reactivity

4 CHEM-341 Thermodynamics and Kinetics **or** CHEM-342 Quantum Chemistry and Spectroscopy

2 CHEM-400 Research Experience

2 Capstone: CHEM-500 Problems in Chemistry and Biochemistry

Students must complete at least 2 SH of CHEM-400 Research Experience prior to taking CHEM-500.

Management Courses (minimum of 26 SH)

4 ACCT-200 Financial Accounting

4 ACCT-210 Legal Environment

4-8 ECON-105 Elements of Economics

or both ECON-201 Principles of Macroeconomics **and** ECON-202 Principles of Microeconomics

2 MGMT-105 Introduction to Professional Development

2-4 MGMT-138 Fundamentals of Business or MGMT-196 Global Business Perspectives

4 MGMT-240 Principles of Management

2 MGMT-466 Negotiations

4 MKTG-280 Marketing

Required Corollary Courses (12 SH)

4 MATH-111 Calculus I

4 MATH-112 Calculus II

4 PHYS-204 Introductory Physics I (Calculus-based)

Science Electives (minimum of 6 SH)

Students must select two courses from the following list:

4 BIOL-102 Cell Biology and Genetics

3-4 300- or 400-level BIOL course (with or without lab)

4 CHEM-302 Medicinal Chemistry or CHEM-306 Nanoscience

3-4 CHEM-424 Biochemistry of Metabolism (optional CHEM-429 Biochemistry of Metabolism Laboratory) OR CHEM-426 Biochemistry of Proteins and Enzymes (optional CHEM-427 Biochemistry of Proteins and Enzymes Laboratory)

4 CHEM-450 Advanced Inorganic Chemistry

Management Elective (4 SH)

Students must select one from the following list:

4 MGMT-360 Management of Organizations

4 MGMT-361 Human Resource Management

4 MGMT-373 Managing for Sustainability

Chemical Physics (BS)

About the Program

Program Title
Chemical Physics (BS)

Degree
Bachelor of Science

Program Code
CHPH.BS

Program Description
Susquehanna offers a Bachelor of Arts degree in chemistry and Bachelor of Science degrees in chemistry, biochemistry and chemical physics. Four biochemistry tracks are available: an ACS-Certified track, a Biology-Intensive track, a 3+4 Pharmacy track, and an ASBMB-Certified track. The ACS-Certified track includes courses that cover properties of metals, spectroscopic techniques and instrumental methods that will prepare students for careers or graduate programs in the areas of biochemistry or biophysics. The Biology-Intensive track includes courses that will offer a solid foundation in chemical principles in addition to biological systems and will prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions. The 3+4 Pharmacy track includes courses that are prerequisites for admission to the cooperative pharmacy programs at Duquesne University and Temple University and will also prepare students for other healthcare careers. The ASBMB-Certified track includes courses that are required for students to receive a certified degree and additional benefits from the American Society for Biochemistry and Molecular Biology and will also prepare students for careers or graduate programs in the biological sciences or biochemistry, or the healthcare professions All required courses must be completed with a grade of C- or higher.

Learning Goals
- Demonstrate the ability to apply appropriate chemical and physical models to make predictions or draw conclusions regarding chemical systems or phenomenon. Examples of chemical systems are compound formation (synthesis), energy transfer, equilibrium composition, various physical properties, chemical reactivity, etc
- Demonstrate mastery of laboratory skills and execute common experimental techniques
- Demonstrate the ability to design, prepare, execute and adjust experiments
- Describe the theoretical and operational principles of common laboratory instrumentation such as NMR, FT- IR, UV-Vis, AA, fluorescence spectrometers, GC-MS, HPLC and electrochemical analysis instrumentation, as well as their typical uses, sensitivities and limitations. Interpret the data collected with such instrumentation
- Find topic-specific chemical literature, interpret and evaluate chemical studies as described in scientific journals, and describe these conclusions through written and oral presentations
- Analyze and interpret data to detect trends, evaluate the quality of data and reach scientifically valid conclusions

Double-counting Restriction
Students majoring in chemical physics cannot double-count courses towards a chemistry or physics major.

Departmental honors requirements
Honors in Chemistry
The departmental honors program encourages and recognizes superior performance in chemistry. To graduate with honors in chemistry, candidates must do the following:
• Maintain at least a 3.25 cumulative GPA overall and a 3.50 cumulative GPA in chemistry courses (plus biology courses for biochemistry majors),
• Petition the research advisor in writing by the third week of their final semester. The research advisor will make a request on behalf of the honors candidate to

the department chair.
• Upon departmental approval, submit an acceptable written thesis based on a minimum of 4 semester hours of CHEM-400, completed during the junior and/or senior years, and CHEM-500 (or BIOL-510 and BIOL-511, if approved by the Chemistry Department), and
• Pass an oral thesis defense.

American Chemical Society Accreditation

The department's major in chemistry is accredited by the American Chemical Society.

Program Requirements

Requirements

The Bachelor of Science degree in chemical physics requires the following courses with grades of C- or better:

4 General Chemistry I: Choose from: CHEM-103 or CHEM-111

4-8 General Chemistry II: Choose from: CHEM-204 ***or*** CHEM-232 and CHEM-242

4 PHYS-204 Introductory Physics I: Calculus

4 PHYS-206 Introductory Physics II: Calculus

4 CHEM-221 Organic Chemistry I

4 CHEM-341 Thermodynamics and Kinetics

4 CHEM-342 Quantum Chemistry and Spectroscopy

4 PHYS-404 Thermodynamics and Statistical Methods

4 MATH-111 Calculus I

4 MATH-112 Calculus II

4 MATH-201 Linear Algebra

2 Capstone: Choose from CHEM-500 Problems in Chemistry and Biochemistry ***or*** PHYS-550 Physics Research.

Students must complete at least 2 SH of CHEM-400 Research Experience prior to taking CHEM-500.

Other requirements

Students must select at least four courses from the following list, with at least one course from each department and no more than two courses from a single department. Students may take additional courses as long as the total number of semester hours in the major does not exceed 64.

Chemistry

4 CHEM-306 Nanoscience

4 CHEM-430 Instrumental Analysis

Mathematics

4 MATH-211 Multivariate Calculus

4 MATH-353 Differential Equations

Physics

4 PHYS-101 Introduction to Digital and Analog Electronics

4 PHYS-105 Independent Thought and Exploration in Physics

4 PHYS-306 Modern Physics

Biochemistry Minor

About the Program

Program Title
Biochemistry Minor

Program Code
MINR.BIOC

Double-counting Restriction
Students may only pursue either a single major or minor offered by the Department of Chemistry.

Program Requirements

Requirements

Students minoring in biochemistry complete General Chemistry I (CHEM-103 or CHEM-111) and General Chemistry II (CHEM-204 or CHEM-232), the Organic Chemistry I-II sequence (CHEM-221-222), The Biochemistry of Proteins and Enzymes lecture and lab (CHEM-426 and CHEM-427), and either CHEM-422 The Biochemistry of Nucleic Acids or CHEM-424 The Biochemistry of Metabolism.

Chemistry Minor

About the Program

Program Title
Chemistry Minor

Program Code
MINR.CHEM

Double-counting Restriction
Students may only pursue either a single major or minor offered by the Department of Chemistry.

Program Requirements

Requirements

Students minoring in chemistry complete five courses: General Chemistry I (CHEM- 103 or CHEM-111), and General Chemistry II (CHEM-204) or Structure and Reactivity (CHEM-232), Organic Chemistry I (CHEM-221), either Organic Chemistry II (CHEM-222) or Thermodynamics and Kinetics (CHEM-341), and one of the following courses: Analytical Chemistry (CHEM-311), Topics in Chemistry (CHEM-300), Medicinal Chemistry (CHEM-302), Scientific Ethics, Blunders, and Fraud (CHEM-303), Pharmaceutical Chemistry (CHEM-304), Forensic Chemistry (CHEM-305), Nanoscience (CHEM-306), Biotechnology (CHEM-313), or Nuclear Chemistry: Power, Medicine, Policy (CHEM-316). Methods of Chemical Analysis (CHEM-242) may be used to fulfill the minor requirement, but is only recommended if a student completes Structure and Reactivity instead of General Chemistry II.

Courses

CHEM010 - Foundations of Chemistry

Course Details

Subject Code
CHEM

Course Number
010

Department(s)
Chemistry

Course Title
Foundations of Chemistry

Course Description
Development of reasoning and quantitative skills for problem solving in chemistry courses. Introduction to atomic structure, chemical reactions, chemical nomenclature, formulas, symbols and equations, dimensional analysis, and experimental data analysis methods. 4SH. 4 lecture hours. Not for credit toward Chemistry or Biochemistry major or minor.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CHEM100 - Trends in Chemistry

Course Details

Subject Code
CHEM

Course Number
100

Department(s)
Chemistry

Course Title
Trends in Chemistry

Course Description
Emphasizes the use of chemistry by society and in nature. This course presents the basic chemical concepts in a variety of contexts. Subjects might include environmentally friendly "green" chemistry, medicinal, nanotechnology, chemistry of movies and magic, or chemistry of everyday objects. A student may not enroll in this course after completing General Chemistry I (CHEM-103 or CHEM-111). Pre-requisite: concurrent enrollment in CHEM-100L. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

CHEM100L - Trends in Chemistry Lab

Course Details

Subject Code
CHEM

Course Number
100L

Department(s)
Chemistry

Course Title
Trends in Chemistry Lab

Course Description
Lab which accompanies CHEM-100 Trends in Chemistry, which emphasizes the use of chemistry by society and in nature. This course presents the basic chemical concepts in a variety of contexts. Subjects might include environmentally friendly "green" chemistry, medicinal, nanotechnology, chemistry of movies and magic, or chemistry of everyday objects. Concurrent enrollment in CHEM-100 is required.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

CHEM103 - General Chemistry I

Course Details

Subject Code
CHEM

Course Number
103

Department(s)
Chemistry

Course Title
General Chemistry I

Course Description
Fundamental laws and principles, atomic structure and periodicity, bonding, molecular structure, stoichiometry, chemical reactions, energy, equilibrium, thermodynamics and nuclear chemistry. Students may receive credit for only one of the three introductory chemistry I courses, CHEM-103, or CHEM-111. 4 SH. 3 lecture hours, 3 laboratory hours (taken as CHEM-105, not a separate credit/grade). CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

CHEM105 - General Chemistry I Lab

Course Details

Subject Code
CHEM

Course Number
105

Department(s)
Chemistry

Course Title
General Chemistry I Lab

Course Description
General chemistry lab. Co-requisite: CHEM-103.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

CHEM106 - General Chemistry II Lab

Course Details

Subject Code
CHEM

Course Number
106

Department(s)
Chemistry

Course Title
General Chemistry II Lab

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

CHEM111 - General Chemistry I Workshop

Course Details

Subject Code
CHEM

Course Number
111

Department(s)
Chemistry

Course Title
General Chemistry I Workshop

Course Description
Fundamental laws and principles, atomic structure and periodicity, bonding, molecular structure, stoichiometry, chemical reactions, energy, simple acid-base equilibria, thermodynamics and kinetics taught in a team-based workshop format, with the lab and lecture integrated. Students may receive credit for only one of the two introductory chemistry I courses, CHEM-103 or CHEM-111. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

CHEM200 - Research Exploration

Course Details

Subject Code
CHEM

Course Number
200

Department(s)
Chemistry

Course Title
Research Exploration

Course Description
Individual or team investigation of a novel problem in chemistry or biochemistry in collaboration with a faculty member. Introduction to common methods and techniques used in the chemistry and biochemistry fields. This course may only be taken in the first and/or second year of the Chemistry/Biochemistry/Chemical Physics program and can be repeated for credit. Prerequisite: Instructor's permission. 1-4 SH.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

CHEM204 - General Chemisty II

Course Details

Subject Code
CHEM

Course Number
204

Department(s)
Chemistry

Course Title
General Chemisty II

Course Description
Properties of gases, liquids, solids and solutions, kinetics, acids, bases, buffers, solubility, complex ion equilibria, electrochemistry, and descriptive and coordination chemistry taught in a team-based format. Students may receive credit for only one of the introductory chemistry II courses: CHEM-204 or CHEM-232. Prerequisite: CHEM-103 or CHEM-111. 4 SH. 3 lecture hours, 3 laboratory hours (taken as CHEM-1206, not a separate credit/grade).

Course Types
Standard (STAND), Science Lab (LAB)

Semester Hours

Semester Hours:
4

CHEM206 - General Chemistry II Lab

Course Details

Subject Code
CHEM

Course Number
206

Department(s)
Chemistry

Course Title
General Chemistry II Lab

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

CHEM221 - Organic Chemistry I

Course Details

Subject Code
CHEM

Course Number
221

Department(s)
Chemistry

Course Title
Organic Chemistry I

Course Description
Basic concepts of stereochemistry and chemistry of aliphatic hydrocarbons, alkyl halides and alcohols. Prerequisite: CHEM-101, CHEM-103 or CHEM-111. 4 SH. 3 lecture hours, 3 laboratory hours (taken as CHEM 221L, not a separate credit/grade).

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

CHEM221L - Organic Chemistry I Lab

Course Details

Subject Code
CHEM

Course Number
221L

Department(s)
Chemistry

Course Title
Organic Chemistry I Lab

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

CHEM222 - Organic Chemistry II

Course Details

Subject Code
CHEM

Course Number
222

Department(s)
Chemistry

Course Title
Organic Chemistry II

Course Description
Basic concepts of spectroscopy, and chemistry of aromatic hydrocarbons, conjugated alkenes, amines, ethers, carbonyl compounds, carboxylic acid derivatives, and carbohydrate building blocks. Prerequisite: CHEM-221. 4 SH. 3 lecture hours, 3 laboratory hours (taken as CHEM 222L, not a separate credit/grade). CC: Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

CHEM222L - Organic Chemistry II Lab

Course Details

Subject Code
CHEM

Course Number
222L

Department(s)
Chemistry

Course Title
Organic Chemistry II Lab

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

CHEM232 - Structure and Reactivity

Course Details

Subject Code
CHEM

Course Number
232

Department(s)
Chemistry

Course Title
Structure and Reactivity

Course Description
Structure and reactivity of solids, liquids, gases, and solutions will be investigated. Molecular symmetry, molecular orbital theory and chemical kinetics will be introduced. Basic coordination chemistry will be discussed; including molecular and electronic structure, acid/base theory, magnetism, and common ligands. Students may receive credit for only one of the introductory chemistry II courses: CHEM-204 or CHEM-232. Pre- or co-requisite: CHEM-221. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CHEM242 - Methods of Chemical Analysis

Course Details

Subject Code
CHEM

Course Number
242

Department(s)
Chemistry

Course Title
Methods of Chemical Analysis

Course Description
Analytical methods for the quantitative determination of chemical species and underlying chemical concepts. Topics include analytical processes, measurements, instrumentation, chemical equilibrium and activity, acid-base theory, voltametric and spectroscopic theory. Laboratories include classical titrations and modern techniques with a focus on potentiometry and analytical optical spectroscopy. Prerequisites: CHEM-103 or CHEM-111. Taken concurrently with CHEM-204 or -232 or with instructor permission. 4 SH. 3 lecture hours. 3 laboratory hours.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CHEM300 - Topics in Chemistry

Course Details

Subject Code
CHEM

Course Number
300

Department(s)
Chemistry

Course Title
Topics in Chemistry

Course Description
Varied topics reflecting student and instructor interests. Possibilities include organometallic chemistry, environmental chemistry, green chemistry, proteomics and chemistry of art. Prerequisite: CHEM-222 (may be others for some topics). 1-4 SH. Offered as lecture only, laboratory only, or as a lecture/laboratory combination.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

CHEM302 - Medicinal Chemistry

Course Details

Subject Code
CHEM

Course Number
302

Department(s)
Chemistry

Course Title
Medicinal Chemistry

Course Description
This course integrates principles from the disciplines of chemistry, biology, and pharmacology to study the discovery, design, and mechanisms of action of important anticancer, antiviral, antibacterial, cardioprotective, and antidepressant drugs. Major emphasis is placed on drug interactions with nucleic acids, enzymes, and receptors. Offered as lecture only. Prerequisites: Junior standing and CHEM-222. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

CHEM303 - Science Ethics, Blunders, and Fraud

Course Details

Subject Code	Course Number	Department(s)
CHEM	303	Chemistry

Course Title
Science Ethics, Blunders, and Fraud

Course Description
Examines the science and the scientific method through the lens of ethics to distinguish scientific error from outright fraud. The course looks at classic and contemporary scientific blunders and fraud cases in academia, industry, and government. Examines ethical policy from the fallout of academic fraud. Prerequisite: Sophomore standing and CHEM:222. 4 SH. CC: Ethics Intensive, Interdisciplinary.

Course Types
Standard (STAND), Ethics Intensive (INETH), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

CHEM304 - Pharmaceutical Chemistry

Course Details

Subject Code	Course Number	Department(s)
CHEM	304	Chemistry

Course Title
Pharmaceutical Chemistry

Course Description
In this course, students will learn about partition coefficient and biopharmacy, physicochemical properties of drugs, stereochemistry, drug metabolism, volumetric analysis of drugs, analytical spectroscopy, stability of drugs and medicines, kinetics of drug stability, licensing of drugs and the British Pharmacopoeia, method validation, and GMPs. Prerequisite: Junior standing and CHEM-222. 4 SH. 4 lecture hours (may be taught 3 lecture hours, 3 laboratory hours). CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

CHEM305 - Forensic Chemistry

Course Details

Subject Code	Course Number	Department(s)
CHEM	305	Chemistry

Course Title
Forensic Chemistry

Course Description
This course approaches the challenges, methods, analyses, and ethics of forensic chemistry from fundamental chemical and biological perspectives, including quality assurance, sampling and evidence collection and preservation, instrumentation, drugs as physical evidence, analysis of seized drugs, drugs in the body, forensic toxicology, combustion and arson, explosives, firearms, colorants, polymers, paper and fibers, and forensic DNA analysis. Students will also be able to articulate the basic ethical questions and issues related to the study of forensics. Prerequisites: Junior standing and CHEM-222. 4 SH. 4 lecture hours (may be taught 3 lecture hours, 3 laboratory hours). CC: Ethics Intensive, Interdisciplinary.

Course Types
Standard (STAND), Ethics Intensive (INETH), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

CHEM306 - Nanoscience

Course Details

Subject Code	Course Number	Department(s)
CHEM	306	Chemistry

Course Title
Nanoscience

Course Description
An introduction to many aspects of nanoscience and nanotechnology. Interdisciplinary connections between chemistry, physics, biology and material science are investigated through readings, discussions and laboratory experiments. Major topics include the formation and implementation of nano-structured systems, synthesis and detection of nanoparticles, their current roles in technology, medical applications, ethical implications, and the likely future impact of such systems on society, industry and the environment. Prerequisites: Sophomore standing and CHEM-222. 4 SH. CC: Interdisciplinary.

Course Types
Science Lab (LAB), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

CHEM311 - Analytical Chemistry

Course Details

Subject Code	Course Number	Department(s)
CHEM	311	Chemistry

Course Title
Analytical Chemistry

Course Description
Chemical species are analyzed by classical quantitative and modern spectrometric methods. Laboratories range from volumetric, gravimetric and potentiometric wet techniques to photospectrometric methods (Uv-vis, FT-IR, AA) and mass spectrometry. This class is specifically designed for the chemistry minor and does not count toward the chemistry major, the biochemistry major or as an elective. Prerequisites: CHEM-103-104 or CHEM- 111-112. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

CHEM313 - Biotechnology

Course Details

Subject Code	Course Number	Department(s)
CHEM	313	Chemistry

Course Title
Biotechnology

Course Description
Biotechnology is broadly defined as the application of the principles of molecular and cellular science to the production of biologically important or industrially useful products. Understanding how DNA-templated process are regulated is key to understanding many aspects of biology: cell development and differentiation, the impact of the environment on cellular process, the development, progression, and treatment of diseases, etc. This course will explore how scientists use this information to create breakthroughs in disease treatment, the development of genetically modified crops, the development of cutting-edge vaccines, etc. This course will begin with a review of general principles of chemistry, biochemistry, biology, and molecular biology. In addition, this course will explore the "tools of the trade" that are used by omics scientists. The course will conclude with a study and discussion of the moral and ethical implications of this information. It will look at rules and regulations governing this information and how the information may be used for the study of diseases (diagnostics, treatments, etc.). It is strongly recommended that students take BIOL-426/CHEM-426 prior to this course. Prerequisite: CHEM 222: Organic Chemistry II and sophomore standing. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

CHEM314 - Survey of Biochemistry

Course Details

Subject Code	Course Number	Department(s)
CHEM	314	Chemistry

Course Title
Survey of Biochemistry

Course Description
A survey of Biochemistry: structure and function of amino acids, proteins, lipids, carbohydrates, and nucleic acids; enzymology; metabolism; biosynthesis; and selected topics. Not acceptable for credit toward a major in Chemistry or Biochemistry, nor Biochemistry minor. Prerequisites: CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity; and CHEM-222 Organic Chemistry II. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CHEM341 - Thermodynamics and Kinetics

Course Details

Subject Code	Course Number	Department(s)
CHEM	341	Chemistry

Course Title
Thermodynamics and Kinetics

Course Description
An in-depth study of classical and statistical thermodynamics and reaction kinetics presented with applications to phase equilibria, chemical equilibria, solute-solvent interactions and nonequilibrium thermodynamics. Prerequisites: MATH-112; and PHYS-204 (Calculus-based). 4 SH. 3 lecture hours, 3 laboratory hours. CC: Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

CHEM342 - Quantum Chemistry and Spectroscopy

Course Details

Subject Code
CHEM

Course Number
342

Department(s)
Chemistry

Course Title
Quantum Chemistry and Spectroscopy

Course Description
Introduction to quantum chemistry and spectroscopy. Theory of quantum mechanics presented at a fundamental level with special attention paid to classical problems-particle in a box, harmonic oscillator, rigid rotor and hydrogen atom-and practical application to the electronic structure of atoms and molecules and to atomic and molecular spectroscopy. Prerequisites: MATH-112 and PHYS-206 (Calculus-based) or instructor's permission. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

CHEM400 - Research Experience

Course Details

Subject Code
CHEM

Course Number
400

Department(s)
Chemistry

Course Title
Research Experience

Course Description
Individual investigation of a novel problem in chemistry or biochemistry in collaboration with a faculty member. May be repeated for credit. Prerequisite: instructor's permission. 1-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

CHEM422 - Biochemistry of Nucleic Acids

Course Details

Subject Code
CHEM

Course Number
422

Department(s)
Chemistry

Course Title
Biochemistry of Nucleic Acids

Course Description
This course integrates information from the disciplines of biology and chemistry to explore nucleic acid function and metabolism. In-depth discussions cover the forces behind DNA/DNA, DNA/RNA and DNA/protein interactions as they apply to DNA structure and metabolism, RNA function and metabolism, protein synthesis, and gene regulation. Prerequisite: CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity; and CHEM-222 Organic Chemistry II. Strongly recommended: BIOL-426/CHEM-426. 3 SH. 3 lecture hours.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

CHEM423 - Biochemistry Nucleic Acids Lab

Course Details

Subject Code
CHEM

Course Number
423

Department(s)
Chemistry

Course Title
Biochemistry Nucleic Acids Lab

Course Description
Exploration of nucleic acids, including methods of isolation, purification, identification, and analysis. Prerequisite: CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity and CHEM-222 Organic Chemistry II. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

CHEM424 - The Biochemistry of Metabolism

Course Details

Subject Code	Course Number	Department(s)
CHEM	424	Chemistry

Course Title
The Biochemistry of Metabolism

Course Description
This course covers the structure and function of major biomolecules such as carbohydrates and lipids and their role in metabolism. Energy metabolism and biomolecule biosynthesis and degradation are emphasized. Prerequisite: CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity and CHEM-222 Organic Chemistry II. Strongly recommended: BIOL-426/CHEM-426. 3 SH. 3 lecture hours.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

CHEM426 - Biochemistry of Proteins & Enzymes

Course Details

Subject Code	Course Number	Department(s)
CHEM	426	Chemistry

Course Title
Biochemistry of Proteins & Enzymes

Course Description
This course focuses on the structure of proteins, the thermodynamics of protein folding, enzyme catalytic mechanisms and enzyme kinetics. This course also introduces the field of bioinformatics, the use of computer databases to determine relationships between nucleic acid sequence, protein structure and protein function. Prerequisite: CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity and CHEM-222 Organic Chemistry II. 3 SH. 3 lecture hours.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
3

CHEM427 - Biochemistry of Proteins & Enzymes Lab

Course Details

Subject Code	Course Number	Department(s)
CHEM	427	Chemistry

Course Title
Biochemistry of Proteins & Enzymes Lab

Course Description
This lab explores enzyme kinetics and inhibition as well as methods of isolation, purification, identification, and analysis of proteins and enzymes. This lab is designed to provide technical skills necessary for biochemical research. Prerequisite: CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity and CHEM-222 Organic Chemistry II. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
1

CHEM429 - Biochemistry of Metabolism Lab

Course Details

Subject Code	Course Number	Department(s)
CHEM	429	Chemistry

Course Title
Biochemistry of Metabolism Lab

Course Description
This lab explores metabolic function and metabolites. The lab focuses on the isolation, purification, identification, and analysis of metabolites. Prerequisite: CHEM-204 General Chemistry II or CHEM-232 Structure and Reactivity and CHEM-222 Organic Chemistry II. 1 SH. 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
1

CHEM430 - Instrumental Analysis

Course Details

Subject Code
CHEM

Course Number
430

Department(s)
Chemistry

Course Title
Instrumental Analysis

Course Description
Instrumental techniques of analysis, focuses on atomic and molecular spectroscopy, including chemical principles behind the instrumental techniques, instrument operation, and applications of instrumental analysis. Some discussion of macromolecule (polymer) analysis will also be included. Prerequisite: CHEM-342 or instructor's permission. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

CHEM450 - Advanced Inorganic Chemistry

Course Details

Subject Code
CHEM

Course Number
450

Department(s)
Chemistry

Course Title
Advanced Inorganic Chemistry

Course Description
Advanced physical and electronic structure of transitional metal complexes, reaction mechanisms, bulk properties of metals, principles of organometallic chemistry and bioinorganic chemistry. Prerequisite: CHEM-232. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

CHEM490 - Independent Study

Course Details

Subject Code
CHEM

Course Number
490

Department(s)
Chemistry

Course Title
Independent Study

Course Description
Individual work for qualified students under the direction of a faculty member. Usually deals with specialized topics not covered in regularly offered courses. Prerequisite: Instructor and department head approval. 2-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

CHEM500 - Problems in Chemistry and Biochemistry

Course Details

Subject Code
CHEM

Course Number
500

Department(s)
Chemistry

Course Title
Problems in Chemistry and Biochemistry

Course Description
Individual study of a problem in experimental chemistry under the direction of a faculty member, and public presentation of the results. May not be repeated for credit. Co-/Prerequisite: Senior standing and completion of a minimum of 2 semester hours in CHEM-400 during the junior and/or senior year. 2 SH. Capstone.

Course Types
Capstone (CAPS)

Semester Hours

Semester Hours:
2

CHEM501 - Independent Study

Course Details

Subject Code
CHEM

Course Number
501

Department(s)
Chemistry

Course Title
Independent Study

Course Description
Investigation of a specific topic or problem under the guidance of an appropriate faculty member. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

CHEM505 - Seminar

Course Details

Subject Code
CHEM

Course Number
505

Department(s)
Chemistry

Course Title
Seminar

Course Description
Weekly meetings in which students report on current chemical research literature. Researchers from other institutions and industry will also be invited to present their research. Four semester hours in a manner approved by the student's adviser are required for all majors. Prerequisite: Junior standing. 1-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

CHEM590 - Chemistry Internship

Course Details

Subject Code
CHEM

Course Number
590

Department(s)
Chemistry

Course Title
Chemistry Internship

Course Description
Selected students work in the chemical industry under the supervision of an industrial chemist. Prerequisite: CHEM-242 and department head's permission. 4 SH. S/U grade.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
4

Communications Department

Faculty

Michele C. Welliver, Ph.D., Associate Professor of Communications, department head

Craig A. Stark, Ph.D., Associate Professor of Communications

Catherine M. Hastings, Ph.D., Associate Professor of Communications

David C. Kaszuba, Ph.D., Associate Professor of Communications

Joseph R. Giomboni, Ph.D., Associate Professor of Communications

Nabeel A. Siddiqui, Ph.D., Associate Professor of Communications

Linda H. Burkley, M.A., APR, Lecturer in Communications

John C. Foltz, M.S., Lecturer in Communications

Part-time faculty: Professionals in media and communications from throughout the region are hired to teach classes.

Programs

Communications: Advertising & Public Relations (BA)

About the Program

Program Title
Communications: Advertising & Public Relations (BA)

Degree
Bachelor of Arts

Program Code
ADPR.BA

Program Description
Susquehanna offers six tracks in Communications: Advertising and Public Relations; Broadcasting; Communication Arts, Communication Studies; Journalism and Digital Content; and Sports Media. Majors complete university Central Curriculum requirements, plus 48 to 50 semester hours of courses in a selected degree plan. These include introductory courses, practicums for learning skills, and specific emphases requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one degree or minor.

The department also expects communications majors and minors to participate in related co-curricular activities, all of which count for the practicum requirement. Options include WQSU-FM radio; The Quill student newspaper; The Lanthorn student yearbook; studio and remote video production with Lens Flare; the Paul Dannelley Chapter of the Public Relations Student Society of America (PRSSA); the Association for Women in Sports Media (AWSM); Athletic Communication, and other activities supervised by department faculty.

Learning Goals
- Students will be able to identify, explain and apply theory
- Students will demonstrate communication skills (oral, visual, written, research)
- Students will recognize ethical implications and relate them to various contexts
- Students will develop and practice critical thinking

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding performance in communications. To graduate with department honors, candidates must do the following:
• Complete major requirements under guidance of a Communications Department faculty advisor, who agrees to serve as a sponsor at the student's request,
• Petition the honors coordinator with a written honors proposal no later than the second to last week of the end of the junior year. The submission must be approved as honors quality by departmental faculty,
• Maintain a 3.70 cumulative GPA in department courses,
• Produce an acceptable written or production thesis based on one year of senior research/production work (COMM-503 Honors Study) beyond the required major track semester hours,
• Submit the thesis at least two weeks before graduation, and
• Successfully complete an oral defense of the honors thesis.
Honors work not meeting the required standards will be applied as a university elective course. Departmental honors may be taken separately from or in conjunction with the university Honors Program.

Program Requirements

Requirements
Students fulfill the university Central Curriculum requirements, participate fully in various media activities, and successfully complete the following courses:

24	**Department Requirements**
4	COMM-101 Essentials of Digital Media
2	COMM-102 Methods of Adobe Creative Suite
2	COMM-190 Introduction to Communications/Media Theory
4	COMM-192 Public Speaking
4	COMM-201 Ethics and Leadership
4	COMM-202 Digital Media Analytics
4	COMM-481 Media Law
18	**Advertising and Public Relations Requirements**
4	COMM-211 Introduction to Advertising and Public Relations
4	COMM-314 Public Relations Writing and Campaigns
4	COMM-317 Advertising Creative Strategies
4	COMM-411 Public Relations Management ***or*** COMM-418 Advertising Campaigns
1	COMM-501 Practicum
1	COMM-501 Practicum ***or*** COMM-504 Internship (a minimum of 2 SH of an internship may be completed as two 1 SH internships or on 2 SH internship)
8	**Choose two from:**
4	COMM-215 Professional Selling
4	COMM-321 Crisis Management
4	COMM-322 Strategic Event Management
4	ARTG-251 Computer Applications in Graphic Design
4	MKTG-280 Marketing

Communications: Broadcasting (BA)

About the Program

Program Title
Communications: Broadcasting (BA)

Degree
Bachelor of Arts

Program Code
BRDC.BA

Program Description
Susquehanna offers six tracks in Communications: Advertising and Public Relations; Broadcasting; Communication Arts, Communication Studies; Journalism and Digital Content; and Sports Media. Majors complete university Central Curriculum requirements, plus 48 to 50 semester hours of courses in a selected degree plan. These include introductory courses, practicums for learning skills, and specific emphases requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one degree or minor.

The department also expects communications majors and minors to participate in related co-curricular activities, all of which count for the practicum requirement. Options include WQSU-FM radio; The Quill student newspaper; The Lanthorn student yearbook; studio and remote video production with Lens Flare; the Paul Dannelley Chapter of the Public Relations Student Society of America (PRSSA); the Association for Women in Sports Media (AWSM); Athletic Communication, and other activities supervised by department faculty.

Learning Goals
- Students will be able to identify, explain and apply theory
- Students will demonstrate communication skills (oral, visual, written, research)
- Students will recognize ethical implications and relate them to various contexts
- Students will develop and practice critical thinking

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding performance in communications. To graduate with department honors, candidates must do the following:
• Complete major requirements under guidance of a Communications Department faculty advisor, who agrees to serve as a sponsor at the student's request,
• Petition the honors coordinator with a written honors proposal no later than the second to last week of the end of the junior year. The submission must be approved as honors quality by departmental faculty,
• Maintain a 3.70 cumulative GPA in department courses,
• Produce an acceptable written or production thesis based on one year of senior research/production work (COMM-503 Honors Study) beyond the required major track semester hours,
• Submit the thesis at least two weeks before graduation, and
• Successfully complete an oral defense of the honors thesis.
Honors work not meeting the required standards will be applied as a university elective course. Departmental honors may be taken separately from or in conjunction with the university Honors Program.

Program Requirements

Requirements
Students fulfill the university Central Curriculum requirements, participate fully in WQSU radio operations and successfully complete the following courses:

24	**Department Requirements**
4	COMM-101 Essentials of Digital Media
2	COMM-102 Methods of Adobe Creative Suite
2	COMM-190 Introduction to Communication/Media Theory
4	COMM-192 Public Speaking
4	COMM-201 Ethics and Leadership
4	COMM-202 Digital Media Analytics
4	COMM-481 Media Law
26	**Broadcasting Requirements**
4	COMM-277 Audio Production and Media Performance
4	COMM-282 Fundamentals of Digital Video Production
4	COMM-382 Intermediate Digital Multimedia Production
4	COMM-384 Writing and Planning for Screen Media
2	COMM-386 Motion Graphics and Animation
4	COMM-482 Professional Digital Multimedia Production
1	COMM-501 Practicum
1	COMM-501 Practicum

Communication: Communication Arts

About the Program

Program Title
Communication: Communication Arts

Degree
Bachelor of Arts

Program Code
COAR.BA

Program Description
Susquehanna offers six tracks in Communications: Advertising and Public Relations; Broadcasting; Communication Arts, Communication Studies; Journalism and Digital Content; and Sports Media. Majors complete university Central Curriculum requirements, plus 48 to 50 semester hours of courses in a selected degree plan. These include introductory courses, practicums for learning skills, and specific emphases requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one degree or minor.

The department also expects communications majors and minors to participate in related co-curricular activities, all of which count for the practicum requirement. Options include WQSU-FM radio; The Quill student newspaper; The Lanthorn student yearbook; studio and remote video production with Lens Flare; the Paul Dannelley Chapter of the Public Relations Student Society of America (PRSSA); the Association for Women in Sports Media (AWSM); Athletic Communication, and other activities supervised by department faculty.

Learning Goals
- Students will be able to identify, explain and apply theory
- Students will demonstrate communication skills (oral, visual, written, research)
- Students will recognize ethical implications and relate them to various contexts
- Students will develop and practice critical thinking

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding performance in communications. To graduate with department honors, candidates must do the following:
• Complete major requirements under guidance of a Communications Department faculty advisor, who agrees to serve as a sponsor at the student's request,
• Petition the honors coordinator with a written honors proposal no later than the second to last week of the end of the junior year. The submission must be approved as honors quality by departmental faculty,
• Maintain a 3.70 cumulative GPA in department courses,
• Produce an acceptable written or production thesis based on one year of senior research/production work (COMM-503 Honors Study) beyond the required major track semester hours,
• Submit the thesis at least two weeks before graduation, and
• Successfully complete an oral defense of the honors thesis.
Honors work not meeting the required standards will be applied as a university elective course. Departmental honors may be taken separately from or in conjunction with the university Honors Program.

Program Requirements

Requirements
Students fulfill the university Central Curriculum requirements, participate fully in departmental activities appropriate to their interests and successfully complete the following courses

24	**Department requirements**
4	COMM-101 Essentials of Digital Media
2	COMM-102 Methods of Adobe Creative Suite
4	COMM-190 Intro Communication/Media Theory
4	COMM-192 Public Speaking
4	COMM-201 Ethics and Leadership
4	COMM-202 Digital Media Analytics
4	COMM-481 Media Law
2	**Communication Arts Requirements**
1	COMM-501 Practicum
1	COMM 501 Practicum
20	**Department electives**
Chosen from communications courses	
4	**Capstone requirement**
Chosen from the following courses (provided prerequisites have been met)	
4	COMM-391 Team Communication
4	COMM-411 Public Relations Management
4	COMM 418 Advertising Campaigns
4	COMM-435 Feature Writing
4	COMM-482 Professional Digital Multimedia Production
4	COMM-499 Communication Studies Research Seminar

Communications: Communication Studies (BA)

About the Program

Program Title
Communications: Communication Studies (BA)

Degree
Bachelor of Arts

Program Code
COMS.BA

Program Description
Susquehanna offers six tracks in Communications: Advertising and Public Relations; Broadcasting; Communication Arts, Communication Studies; Journalism and Digital Content; and Sports Media. Majors complete university Central Curriculum requirements, plus 48 to 50 semester hours of courses in a selected degree plan. These include introductory courses, practicums for learning skills, and specific emphases requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one degree or minor.

The department also expects communications majors and minors to participate in related co-curricular activities, all of which count for the practicum requirement. Options include WQSU-FM radio; The Quill student newspaper; The Lanthorn student yearbook; studio and remote video production with Lens Flare; the Paul Dannelley Chapter of the Public Relations Student Society of America (PRSSA); the Association for Women in Sports Media (AWSM); Athletic Communication, and other activities supervised by department faculty.

Learning Goals
- Students will be able to identify, explain and apply theory
- Students will demonstrate communication skills (oral, visual, written, research)
- Students will recognize ethical implications and relate them to various contexts
- Students will develop and practice critical thinking

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding performance in communications. To graduate with department honors, candidates must do the following:
• Complete major requirements under guidance of a Communications Department faculty advisor, who agrees to serve as a sponsor at the student's request,
• Petition the honors coordinator with a written honors proposal no later than the second to last week of the end of the junior year. The submission must be approved as honors quality by departmental faculty,
• Maintain a 3.70 cumulative GPA in department courses,
• Produce an acceptable written or production thesis based on one year of senior research/production work (COMM-503 Honors Study) beyond the required major track semester hours,
• Submit the thesis at least two weeks before graduation, and
• Successfully complete an oral defense of the honors thesis.
Honors work not meeting the required standards will be applied as a university elective course. Departmental honors may be taken separately from or in conjunction with the university Honors Program.
Honor Societies
Students who meet the requisite national and local standards are eligible to join the national honorary society Lambda Pi Eta (communications).

Program Requirements

Requirements
Students fulfill the university Central Curriculum requirements, participate fully in departmental activities appropriate to their interests and successfully complete the following courses:

24	**Department Requirements**
4	COMM-101 Essentials of Digital Media
2	COMM-102 Methods of Adobe Creative Suite
4	COMM-190 Intro Communication/Media Theory
4	COMM-192 Public Speaking
4	COMM-201 Ethics and Leadership
4	COMM-202 Digital Media Analytics
4	COMM-481 Media Law
24	**Communication Studies Requirements**
4	COMM-191 Interpersonal Communication
4	COMM-194 Intercultural Communication
4	COMM-291 Qualitative Research Methods
4	COMM-379 Critical Approaches to Interactive and Gaming Media
4	COMM-391 Team Communication
4	COMM-499 Communication Studies Research Seminar

Communications: Journalism & Digital Content (BA)

About the Program

Program Title
Communications: Journalism & Digital Content (BA)

Degree
Bachelor of Arts

Program Code
JRDC.BA

Program Description
Susquehanna offers six tracks in Communications: Advertising and Public Relations; Broadcasting; Communication Arts, Communication Studies; Journalism and Digital Content; and Sports Media. Majors complete university Central Curriculum requirements, plus 48 to 50 semester hours of courses in a selected degree plan. These include introductory courses, practicums for learning skills, and specific emphases requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one degree or minor.

The department also expects communications majors and minors to participate in related co-curricular activities, all of which count for the practicum requirement. Options include WQSU-FM radio; The Quill student newspaper; The Lanthorn student yearbook; studio and remote video production with Lens Flare; the Paul Dannelley Chapter of the Public Relations Student Society of America (PRSSA); the Association for Women in Sports Media (AWSM); Athletic Communication, and other activities supervised by department faculty.

Learning Goals
- Students will be able to identify, explain and apply theory
- Students will demonstrate communication skills (oral, visual, written, research)
- Students will recognize ethical implications and relate them to various contexts
- Students will develop and practice critical thinking

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding performance in communications. To graduate with department honors, candidates must do the following:
• Complete major requirements under guidance of a Communications Department faculty advisor, who agrees to serve as a sponsor at the student's request,
• Petition the honors coordinator with a written honors proposal no later than the second to last week of the end of the junior year. The submission must be approved as honors quality by departmental faculty,
• Maintain a 3.70 cumulative GPA in department courses,
• Produce an acceptable written or production thesis based on one year of senior research/production work (COMM-503 Honors Study) beyond the required major track semester hours,
• Submit the thesis at least two weeks before graduation, and
• Successfully complete an oral defense of the honors thesis.
Honors work not meeting the required standards will be applied as a university elective course. Departmental honors may be taken separately from or in conjunction with the university Honors Program.
Honor Societies
Students who meet the requisite national and local standards are eligible to join the national honorary society Lambda Pi Eta (communications).

Program Requirements

Requirements
Students fulfill the university Central Curriculum requirements, participate fully in various media activities and successfully complete the following courses:

24	**Department Requirements**
4	COMM-101 Essentials of Digital Media
2	COMM-102 Methods of Adobe Creative Suite
2	COMM-190 Intro to Communication/Media Theory
4	COMM-192 Public Speaking
4	COMM-201 Ethics and Leadership
4	COMM-202 Digital Media Analytics
4	COMM-481 Media Law
24	**Journalism and Digital Content Requirements**
4	COMM-131 Introduction to Journalism
4	COMM-231 News and Content Creation
4	COMM-331 Editing
4	COMM-435 Feature Writing
1	COMM-501 Practicum
1	COMM-501 Practicum
1	COMM-501 Practicum
1	COMM-501 Practicum
4	**Choose one from:**
ARTS-243 Digital Photography	
COMM-282 Fundamentals of Digital Video Production	

Advertising Minor

About the Program

Program Title
Advertising Minor

Program Code
MINR.ADVR

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Program Requirements

Requirements
Students are expected to participate in departmental activities appropriate to their interests and successfully complete a total of 24 semester hours, including:

20 Required Courses:

4 COMM-101 Essentials of Digital Media

2 COMM-102 Methods of Adobe Creative Suite

4 COMM-211 Introduction to Advertising and Public Relations

4 COMM-317 Advertising Creative Strategies

4 COMM-418 Advertising Campaigns

2 COMM-501 Practicum (two semesters 1 SH Practicum) or COMM-504 Internship (A minimum of 2 SH of an Internship may be completed as two 1 SH internships or one 2 SH internship)

4 Choose from the following:

4 COMM-215 Professional Selling

4 COMM-277 Audio Production and Media Performance

4 COMM-282 Fundamentals of Digital Video Production

Broadcasting Minor

About the Program

Program Title
Broadcasting Minor

Program Code
MINR.BRDC

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Program Requirements

Requirements
Students are expected to participate in department activities appropriate to their interests and successfully complete a total of 24 credit hours: COMM-101 Essentials of Digital Media, COMM-102 Methods of Adobe Creative Suite, COMM-277 Audio Production and Media Performance, COMM-282 Fundamentals of Digital Video Production, COMM-384 Writing and Planning for Screen Media, COMM-481 Media Law, and two semesters of COMM-501 Practicum.

Journalism and Digital Content Minor

About the Program

Program Title
Journalism and Digital Content Minor

Program Code
MINR.JRDC

Program Description
Students are expected to participate in department activities appropriate to their interests and successfully complete a total of 26 credit hours.

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Program Requirements

Requirements
Students are expected to participate in department activities appropriate to their interests and successfully complete a total of 26 credit hours: : COMM-101 Essentials of Digital Media, COMM-131 Introduction to Journalism, COMM-202 Digital Media Analytics, COMM-231 News and Content Creation, COMM-331 Editing, COMM-435 Feature Writing, COMM-501 Practicum (two semesters)

Public Relations Minor

About the Program

Program Title
Public Relations Minor

Program Code
MINR.PREL

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Program Requirements

Requirements
Students are expected to participate in department activities appropriate to their interests and successfully complete a total of 24 semester hours, including:

20 Required Courses:

2 COMM-102 Methods of Adobe Creative Suite

4 COMM-211 Introduction to Advertising and Public Relations

4 COMM-314 Public Relations Writing and Campaigns

4 COMM-321 Crisis Management

4 COMM-411 PR Management

2 COMM-501 Practicum (two semesters of 1 SH Practicums)

4 Choose from the following:

4 COMM-101 Essentials of Digital Media

4 COMM-131 Intro to Journalism

4 COMM-192 Public Speaking

4 COMM-322 Strategic Event Management

Sports Media Minor

About the Program

Program Title
Sports Media Minor

Program Code
MINR.SPME

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Program Requirements

Requirements
Students are expected to participate in department activities appropriate to their interests and successfully complete a total of 24 credit hours COMM-101 Essentials of Digital Media, COMM-102 Methods of Adobe Creative Suite, COMM-141 Sports Reporting, COMM-142 Sports Statistics, COMM-241 Sports Media Relations and Promotion, COMM-242 Sports Announcing, COMM-277 Audio Production and Media Performance, COMM-282 Fundamentals of Digital Video Production, and two semesters of COMM-501 Practicum.

Professional Sales (BA)

About the Program

Program Title
Professional Sales (BA)

Degree
Bachelor of Arts

Program Code
PSALE.BA

Program Description
Professional Sales is an interdisciplinary program that draws on the strength of the Communications Department and the Sigmund Weis School of Business and provides students the opportunity to earn either a major or a minor in professional sales. The Professional Sales program prepares students for successful careers in sales by providing a comprehensive understanding of the sales process, effective communication, and the ability to navigate the competitive and dynamic business landscape.

Susquehanna University has two degree programs in professional sales. The Bachelor of Arts (B.A.) degree is a liberal arts degree earned in the university's School of Humanities, incorporating a solid communication foundation into professional sales studies. The Bachelor of Science (B.S.) degree is earned in the Sigmund Weis School of Business. It integrates extensive business administration coursework into the study of professional sales.

Learning Goals

- Gain a solid understanding of sales principles, including prospecting, qualifying leads, presenting solutions, negotiating, and closing deals, with a focus on practical application in simulated and real-world scenarios
- Learn effective negotiation tactics and strategies to effectively handle objections and secure successful outcomes
- Develop polished presentation skills for delivering sales pitches across various platforms
- Cultivate networking skills to build and maintain relationships with customers, colleagues, and industry professionals, which can be invaluable for career growth and success in sales
- Understand sales management fundamentals, including leadership, training, and performance evaluation
- Develop skills related to effective communication in the sales process, enabling students to build strong relationships with clients, understand their needs, and convey value propositions persuasively

Double-counting Restriction
Students double majoring in Communications and Professional Sales, or minoring in Communications and majoring in Professional Sales, may only double count the courses included in the Communications foundation requirements.

Program Requirements

Requirements
Combining a professional sales degree with a communications foundation can lead to a powerful skill set for success in various industries. Candidates for the Bachelor of Arts with a major in professional sales successfully complete the 24 semester hours of communications foundation courses as follows, and 28-32 semester hours of professional sales courses listed below. A grade of C- or better is required for any course to apply to the major.

Communication Foundation Courses

24	Department Requirements

4	COMM-101 Essentials of Digital Media
2	COMM-102 Methods of Adobe Creative Suite
2	COMM-190 Introduction to Communications/Media Theory
4	COMM-192 Public Speaking
4	COMM-201 Ethics and Leadership
4	COMM-202 Digital Media Analytics
4	COMM-481 Media Law

Professional Sales Sequence Courses (28-32 SH)

Required

4	COMM-215 Professional Selling
4	COMM-315 Advanced Professional Selling
4	MGMT-438 Sales Management
2	COMM-415 Professional Sales Capstone Portfolio
0-4	COMM-505 Professional Sales Internship
2	MGMT-466 Negotiations
4	MKTG-280 Marketing
8	**Choose from the following electives (8 SH minimum)**
2	PRDV-106 Career Readiness
4	COMM-194 Intercultural Communications
4	COMM-211 Introduction to Advertising and Public Relations
4	COMM-391 Team Communications
1	COMM-501 Practicum (may complete multiple practica)

Communications: Sports Media (BA)

About the Program

Program Title
Communications: Sports Media (BA)

Degree
Bachelor of Arts

Program Code
SPME.BA

Program Description
Susquehanna offers six tracks in Communications: Advertising and Public Relations; Broadcasting; Communication Arts, Communication Studies; Journalism and Digital Content; and Sports Media. Majors complete university Central Curriculum requirements, plus 48 to 50 semester hours of courses in a selected degree plan. These include introductory courses, practicums for learning skills, and specific emphases requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one degree or minor.

The department also expects communications majors and minors to participate in related co-curricular activities, all of which count for the practicum requirement. Options include WQSU-FM radio; The Quill student newspaper; The Lanthorn student yearbook; studio and remote video production with Lens Flare; the Paul Dannelley Chapter of the Public Relations Student Society of America (PRSSA); the Association for Women in Sports Media (AWSM); Athletic Communication, and other activities supervised by department faculty.

Learning Goals
- Students will be able to identify, explain and apply theory
- Students will demonstrate communication skills (oral, visual, written, research)
- Students will recognize ethical implications and relate them to various contexts
- Students will develop and practice critical thinking

Double-counting Restriction
Courses may count toward only one Communications degree or minor.

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding performance in communications. To graduate with department honors, candidates must do the following:
• Complete major requirements under guidance of a Communications Department faculty advisor, who agrees to serve as a sponsor at the student's request,
• Petition the honors coordinator with a written honors proposal no later than the second to last week of the end of the junior year. The submission must be approved as honors quality by departmental faculty,
• Maintain a 3.70 cumulative GPA in department courses,
• Produce an acceptable written or production thesis based on one year of senior research/production work (COMM-503 Honors Study) beyond the required major track semester hours,
• Submit the thesis at least two weeks before graduation, and
• Successfully complete an oral defense of the honors thesis.
Honors work not meeting the required standards will be applied as a university elective course. Departmental honors may be taken separately from or in conjunction with the university Honors Program.
Honor Societies
Students who meet the requisite national and local standards are eligible to join the national honorary society Lambda Pi Eta (communications).

Program Requirements

Requirements

Students prepare for careers in sports media and/or sports public relations/ promotion by fulfilling the university Central Curriculum requirements, participating in sports-related communications practica, and successfully completing the following courses:

24	**Department Requirements**
4	COMM-101 Essentials of Digital Media
2	COMM-102 Methods of Adobe Creative Suite
2	COMM-190 Intro to Communication/Media Theory
4	COMM-192 Public Speaking
4	COMM-201 Ethics and Leadership
4	COMM-202 Digital Media Analytics
4	COMM-481 Media Law
14	**Sports Media Requirements**
2	COMM-141 Sports Reporting
2	COMM-142 Sports Statistics
2	COMM-241 Sports Media Relations and Promotion
2	COMM-242 Sports Announcing
4	COMM-282 Fundamentals of Digital Video Production
1	COMM-501 Practicum
1	COMM-501 Practicum
12-14	**Sports Media Track: choose on option below**

Option 1: COMM-277 Audio Production and Media Performance; COMM-382 Intermediate Digital Multimedia Production; COMM-482 Professional Digital Multimedia Production

Option 2: COMM-143 Sports Management; COMM-243 Sports Feature Writing and Column Writing; COMM-383 Sports Production; COMM-215 Professional Selling or COMM-321 Crisis Communication; COMM-483 Sports and Social Media.

Courses

COMM101 - Essentials of Digital Media

Course Details

Subject Code
COMM

Course Number
101

Department(s)
Communications

Course Title
Essentials of Digital Media

Course Description
This course includes basic operating concepts of computers and a hands-on introduction to word processing, email, spreadsheets, presentations, search, website creation, and other uses. Students will be introduced to the design and production requirements for documents and content for web distribution (Photoshop and Adobe Acrobat specifically). Media convergence and issues of audience consideration and usage will also be addressed. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM102 - Methods of Adobe Creative Suite

Course Details

Subject Code
COMM

Course Number
102

Department(s)
Communications

Course Title
Methods of Adobe Creative Suite

Course Description
This course is an introduction to the industry standard software package for professional designers and communicators. Students will focus on core concepts and techniques that apply to work flow in Photoshop, InDesign, Acrobat Pro and Illustrator. The course emphasizes basic design principles, visual literacy and the technical skills necessary to develop effective designs for print, web and other applications. 2 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM131 - Introduction to Journalism

Course Details

Subject Code
COMM

Course Number
131

Department(s)
Communications

Course Title
Introduction to Journalism

Course Description
An introduction to journalism. Topics include American newspaper history, elements of libel, copyediting symbols, Associated Press style, news leads, inverted pyramid format, interviewing, attributing quotations, writing stories on speeches and meetings, and reading print and online newspapers critically. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Writing Intensive (Core) (WRIT)

Semester Hours

Semester Hours:
4

COMM141 - Sports Reporting

Course Details

Subject Code
COMM

Course Number
141

Department(s)
Communications

Course Title
Sports Reporting

Course Description
The foundational course in the sports media program. The course instructs students on the basics of writing sports stories, primarily game summaries for print media, such as newspapers and websites. Other topics include feture stories, column writing, interviewing technique, and Associated Press style. Attention is also given to writing game stories for broadcast media, such as television and radio, as well as writing for blogs and other New Media platforms. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM142 - Sports Statistics

Course Details

Subject Code	Course Number	Department(s)
COMM	142	Communications

Course Title
Sports Statistics

Course Description
Offers instruction on how to compute statistics for a variety of sports. Includes the use of statistical software, as well as reflection on how to properly apply statistics in reporting and interpreting athletic contests. Students will also examine the growing use of analytics in sports and how it has changed the industry. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM143 - Sports Management

Course Details

Subject Code	Course Number	Department(s)
COMM	143	Communications

Course Title
Sports Management

Course Description
Introduces students to the $500 billion-plus sports industry, with emphasis on career opportunities and the professional viewpoints and skills needed to succeed in this area. Students draw on business, marketing and communication principles to learn how to plan sports events and manage sports businesses/clients. 2SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM190 - Intro to Communication/Media Theory

Course Details

Subject Code	Course Number	Department(s)
COMM	190	Communications

Course Title
Intro to Communication/Media Theory

Course Description
An introductory exploration of theories about communication and mass media, with particular emphasis on how the media shapes public discourse and drives understanding. Consideration is given to how media conveys power dynamics and reinforces or challenges stereotypes, often via aesthetic choices about how a story is presented. The course also explores some non-media theories, including theories about human interaction. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM191 - Interpersonal Communication

Course Details

Subject Code	Course Number	Department(s)
COMM	191	Communications

Course Title
Interpersonal Communication

Course Description
An introductory course on competent interpersonal communication skills. Topics include setting specific communication goals; ways we perceive, talk and listen to others; gender communication; how we use verbal and nonverbal communication; skills in relationships; and ethical considerations within the contexts of friendships, families, intimate partnerships and the workplace. 4 SH. CC: Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

COMM192 - Public Speaking

Course Details

Subject Code
COMM

Course Number
192

Department(s)
Communications

Course Title
Public Speaking

Course Description
Basic principles of effective extemporaneous speaking to inform and persuade an audience. Emphasizes audience analysis, idea development, organization and delivery skills. Students deliver, listen to and criticize classroom speeches. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM194 - Intercultural Communication

Course Details

Subject Code
COMM

Course Number
194

Department(s)
Communications

Course Title
Intercultural Communication

Course Description
An introduction to contemporary and foundational concepts, practices, and processes of intercultural communication. Topics include the complex nature of social and cultural identities; privilege, power and oppression in historical and contemporary society; representations of cultures and identities in popular media; nonverbal codes and cultural space; and the relationship between language and culture. Special emphasis will be on ethical and mindful intercultural communication and social justice. 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

COMM201 - Ethics and Leadership

Course Details

Subject Code
COMM

Course Number
201

Department(s)
Communications

Course Title
Ethics and Leadership

Course Description
Uses case studies to examine the types of ethical challenges that face professional communicators across a variety of contexts, while requiring students to analyze those situations critically. The role of leadership in navigating ethical dilemmas is highlighted, as are several case studies where ethical questions intersect with diversity-related issues. 4 SH. CC: Diversity Intensive, Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

COMM202 - Digital Media Analytics

Course Details

Subject Code
COMM

Course Number
202

Department(s)
Communications

Course Title
Digital Media Analytics

Course Description
This course focuses on performance metrics for strategic communication on the Internet. Students will examine contemporary practices, learn analytic software and its application, optimize websites and social media, and study how businesses use analytics to tailor content and target audiences in strategic digital communication. Prerequisite: COMM-101. CC: Analytical Thought. 4 SH.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

COMM211 - Intro to Advertising & Public Relations

Course Details

Subject Code	Course Number	Department(s)
COMM	211	Communications

Course Title
Intro to Advertising & Public Relations

Course Description
This course introduces students to the fields of advertising and public relations, along with fundamental concepts and theories behind effective advertising and public relations practices. The course will provide students with a solid foundation for understanding both disciplines, including historic and contemporary perspectives, ethical and legal issues, best practices, job opportunities, and the components of successful advertising and public relations campaigns. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM215 - Professional Selling

Course Details

Subject Code	Course Number	Department(s)
COMM	215	Communications

Course Title
Professional Selling

Course Description
This course is intended to provide students with a practical understanding of the principles of selling, the sales process, and the experiences and skills essential to become successful at selling. The course will also explore selling careers and various sales structures and compensation options. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM231 - News Content and Creation

Course Details

Subject Code	Course Number	Department(s)
COMM	231	Communications

Course Title
News Content and Creation

Course Description
The theory and practice of news writing and content creation for print, web, and social media. Topics include news sources, news selection, covering beats, basic photojournalism, and ethical reporting. 4 SH. CC: Writing Intensive

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

COMM241 - Sports Media Relations & Promotion

Course Details

Subject Code	Course Number	Department(s)
COMM	241	Communications

Course Title
Sports Media Relations & Promotion

Course Description
Introduces students to the public relations function within the sports industry, especially the media relations position common to professional teams, leagues, and university athletic programs. Students learn how to write news releases and arrange news conferences, in addition to learning about media guide assembly, press box management, and promotion of sports and athletes via social media. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM242 - Sports Announcing

Course Details

Subject Code	Course Number	Department(s)
COMM	242	Communications

Course Title
Sports Announcing

Course Description
Introduces students to the elements of play-by-play announcing, color analysis, and in-studio hosting, with instruction in each. Attention is also given to the differences between announcing for visual media versus radio. On-air interviewing technique is also covered. Students also learn about the history of sports broadcasting. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM243 - Sports Feature Writing and Column Writin

Course Details

Subject Code	Course Number	Department(s)
COMM	243	Communications

Course Title
Sports Feature Writing and Column Writin

Course Description
Provides students practice with two specialized types of sports writing: feature writing, which is a longer, magazine-style writing form that profiles and humanizes athletes, and column writing, which provides opinion or analysis and drives much of today's online sports readership. 2SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM277 - Audio Production & Media Performance

Course Details

Subject Code	Course Number	Department(s)
COMM	277	Communications

Course Title
Audio Production & Media Performance

Course Description
Examines the theory and practice of audio production and broadcast operations, including sound and broadcast wave theory, console operation, microphone techniques, commerical production, digital editing, and on-air procedures. Students will produce broadcast-quality audio projects in addition to developing a working knowledge and appreciation for high-quality sound and video production. Includes an examination and study of basic announcing techniques for audio and video, such as voice and diction, pronunciation, and oral interpretation of American speech for broadcast and online distribution. Prerequisite: COMM-101 or COMM-102. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM282 - Fundamentals of Digital Video Production

Course Details

Subject Code	Course Number	Department(s)
COMM	282	Communications

Course Title
Fundamentals of Digital Video Production

Course Description
An introduction to small to medium format video production. Covers basic equipment, terminology, personnel, and video production techniques in the studio and field. Includes writing, producing and editing of assigned short projects such as commercials or brief interview segments. Prerequisite: COMM-101 or COMM-102. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM291 - Qualitative Research Methods

Course Details

Subject Code	Course Number	Department(s)
COMM	291	Communications

Course Title
Qualitative Research Methods

Course Description
Introduction to qualitative research methods that contribute to the insight and depth of our understanding of communication. Focuses on qualitative research methods including in-depth interviewing, focus groups, case studies, participant observation, and textual analysis. Students will design and conduct an exploratory qualitative study and write a scholarly essay answering a communication question using qualitative research methods. Prerequisites: COMM-101 or COMM-102 and COMM-190. May be taken concurrently with COMM-202. 4 SH. CC: Writing Intensive

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

COMM311 - Research Methods in Advertising

Course Details

Subject Code	Course Number	Department(s)
COMM	311	Communications

Course Title
Research Methods in Advertising

Course Description
This course introduces students to primary and secondary research methods used to develop solutions to advertising and public relations problems. Students will explore the most important and relevant research methods used by advertising and public relations practitioners to define target audiences, inform strategic planning and message development, and evaluate strategic communication plans and campaigns. Students will develop capabilities in planning and conducting research, as well as interpreting and communicating the findings. Prerequisites: COMM-211. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM314 - Public Relations Writing and Campaigns

Course Details

Subject Code	Course Number	Department(s)
COMM	314	Communications

Course Title
Public Relations Writing and Campaigns

Course Description
Students will demonstrate competency in producing various pieces of written material commonly used in the public relations field, conducting a public relations campaign and understanding professionalism (attendance, deadlines and appropriate use of electronic devices). The course will be a combination of learning to generate public relations materials in a variety of formats as well as utilizing research methodologies, creative strategies and evaluative techniques to create a fully-developed public relations campaign. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM315 - Advanced Professional Selling

Course Details

Subject Code	Course Number	Department(s)
COMM	315	Communications

Course Title
Advanced Professional Selling

Course Description
This course seeks to develop students' sales skills and knowledge of the selling process to a professional and competitive level. Students improve their professional selling skills through role-playing projects and a real-world sale. The top students will have the opportunity to compete in sales competitions. Team selling will also be introduced. The course is appropriate for students seeking to further their understanding and skill in selling and the sales process. Prerequisite: COMM 215. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM317 - Advertising Creative Strategies

Course Details

Subject Code	Course Number	Department(s)
COMM	317	Communications

Course Title
Advertising Creative Strategies

Course Description
This course is designed to provide students with basic planning, designing, writing, and production techniques involved in the development of advertising creative work. Students will use copywriting and design skills, computer software programs, and segmentation, targeting and positioning strategies to reach audiences to complete advertising campaigns that include print and broadcast ads, direct mail pieces, and digital advertising. The use of typography, color, graphics and other design tools will be used to target these creative messages. Students will also submit a final digital portfolio of their creative work that demonstrates proficiency in the skills and techniques covered in the course. Prerequisites: COMM-102 and COMM-211. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM321 - Crisis Management

Course Details

Subject Code	Course Number	Department(s)
COMM	321	Communications

Course Title
Crisis Management

Course Description
In today's world, crises are inevitable. Crisis management recognizes and deals with systems and system failures. This course introduces the students to a management approach for working with crises before, during, and after they occur. Communications-related elements and challenges are especially emphasized. Prerequisite: Sophomore Standing. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM322 - Strategic Event Management

Course Details

Subject Code	Course Number	Department(s)
COMM	322	Communications

Course Title
Strategic Event Management

Course Description
Strategic Event Management will prepare students to research, plan, execute and evaluate small and large scale events. Students will acquire in-depth knowledge of special event planning processes, techniques and strategies while creating communication products essential to the planning process, including logistical, promotional and evaluative materials. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM331 - Editing

Course Details

Subject Code	Course Number	Department(s)
COMM	331	Communications

Course Title
Editing

Course Description
The process of editing news for print and online outlets. Includes developing assignments, editorial judgment and ethical considerations, copy-editing, type styles and sizes, headline writing, graphic and photo design, and page layout. Prerequisite: COMM-131 or ENGL-190. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM379 - Critical Approaches to Gaming

Course Details

Subject Code	Course Number	Department(s)
COMM	379	Communications

Course Title
Critical Approaches to Gaming

Course Description
Introduces and expands student knowledge to the art and practice of contemporary media criticism and key theoretical and critical approaches, focusing on interactive digital media, including gaming and simulation technologies. Students will gain a deeper understanding of the movement and interconnection that exists between new media technologies and their social, economic, cultural and political impacts and effects. Historical development, industrial structure and organization, and effects of convergent and emergent media will be incorporated into the analysis. Prerequisite: COMM-190. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

COMM382 - Intermediate Digital Multimedia Product

Course Details

Subject Code	Course Number	Department(s)
COMM	382	Communications

Course Title
Intermediate Digital Multimedia Product

Course Description
An emphasis on advanced video editing techniques and special effects utilizing Adobe Premiere Pro editing software. Students edit and produce complete programs and projects from field-recorded video and student-recorded productions. Emphasis will be on both the technical operation of sophisticated editing systems and the aesthetics of program editing. Students will be required to engage the Web as a system for distribution of content and will be expected to produce and create their own personal Web pages and portfolio blogs. Prerequisites: COMM-277 and COMM-282. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM383 - Sports Production

Course Details

Subject Code	Course Number	Department(s)
COMM	383	Communications

Course Title
Sports Production

Course Description
Introduces students to the planning, in-game decision-making, and overall precision that are required to mount a broadcast or livestream of a sporting event or sports studio show. Emphasis is placed on production and scripting considerations that make sports distinct from news and other entertainment programs. 2SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM384 - Writing and Planning for Screen

Course Details

Subject Code	Course Number	Department(s)
COMM	384	Communications

Course Title
Writing and Planning for Screen

Course Description
An introduction to the theory and practice of writing for video and emerging media, and the planning required for production. Students will learn the fundamentals of visual writing, as well as the integration of visual elements into scenes and short scripts to be prepared for production. 4SH Prerequisite: FYSE-100

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

COMM386 - Motion Graphics and Animation

Course Details

Subject Code	Course Number	Department(s)
COMM	386	Communications

Course Title
Motion Graphics and Animation

Course Description
This course will introduce motion graphics and animation techniques using 2D and 3D computer software. Theoretical and conceptual approaches to motion graphics design and techniques will be explored. Students will complete several animation projects with increasing complexity during the course. Prerequisites: Sophomore standing; COMM-282. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

COMM391 - Team Communication

Course Details

Subject Code	Course Number	Department(s)
COMM	391	Communications

Course Title
Team Communication

Course Description
Theory and principles of effective team membership and leadership in the small group setting. Focuses on functional roles, verbal and nonverbal behaviors, decision making, problem solving, conflict resolution, ethics and diversity, and group dynamics through the observations of teams. Capstone for Communication Arts. 4 SH.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

COMM411 - Public Relations Management

Course Details

Subject Code	Course Number	Department(s)
COMM	411	Communications

Course Title
Public Relations Management

Course Description
Modules include management, strategy, government affairs and corporate advertising. Self-managed teams simulate agency communications consulting. Prerequisites: Second-semester junior or senior standing, COMM-211 and COMM-314. Capstone for Public Relations. 4 SH. CC: Team Intensive.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

COMM415 - Professional Sales Capstone Portfolio

Course Details

Subject Code	Course Number	Department(s)
COMM	415	Communications

Course Title
Professional Sales Capstone Portfolio

Course Description
This course is a faculty-guided independent study overviewing student achievement in academic work in the Communications Department, including aspects of professional sales and skill development in creative work, writing, research, ethics, and critical thinking. This course is a reflective and forward-looking experience with content derived from the student's academic experiences both in the classroom and in practice-based learning. Participation in this course will provide students with a method of completing their capstone requirements by (1) preparing a communications portfolio of the student's best communications work and presenting it in a mock interview with a faculty advisor and (2) preparing a reflective essay to look back on the student's undergraduate experience, intellectual and professional growth, and progress. Prerequisites: Junior or senior standing, COMM-315, and COMM-505. Capstone. 2 SH.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
2

COMM418 - Advertising Campaigns

Course Details

Subject Code
COMM

Course Number
418

Department(s)
Communications

Course Title
Advertising Campaigns

Course Description
This capstone course provides students the opportunity to plan, execute and present a complete advertising campaign for a client. Students, working in agency-style teams, apply both theoretical and practical knowledge acquired in their previous coursework to complete the campaign. Prerequisites: Junior Standing; and either COMM-317 or both a major in the Sigmund Weis School of Business and MKTG-280. Capstone for Advertising and Public Relations. 4 SH

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

COMM435 - Feature Writing

Course Details

Subject Code
COMM

Course Number
435

Department(s)
Communications

Course Title
Feature Writing

Course Description
The process of determining a medium's audience, developing story ideas, wring query leers, and researching and wring feature articles. How-tos, profiles, and travel and human interest articles are among the assignments. Students prepare and print online portfolios. Prerequisites: Junior or senior standing and COMM-131 or COMM-141. Capstone for Journalism, Communication Arts, or Sports Media. 4 SH.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

COMM481 - Media Law

Course Details

Subject Code
COMM

Course Number
481

Department(s)
Communications

Course Title
Media Law

Course Description
Examines legal aspects of print and electronic communications. Emphasizes First Amendment, freedom of the press, the right to know, copyright, libel, and privacy. Prerequisite: Senior standing. 4 SH. CC: Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

COMM482 - Prof Digital Multimedia Production

Course Details

Subject Code
COMM

Course Number
482

Department(s)
Communications

Course Title
Prof Digital Multimedia Production

Course Description
Engages students in the advanced methods of digital multimedia production. Students will produce a variety of projects that demonstrate their understanding of production skills, including audio and video production for broadcast and the Web. Students will be required to maintain personal portfolio blogs that showcase content produced in this course and others. Students will gain an understanding of the ethical and theoretical frameworks of video broadcasting. Prerequisites: Senior standing and COMM-382. Capstone for Broadcasting or Sports Media. 4 SH.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

COMM483 - Sports and Social Media

Course Details

Subject Code	Course Number	Department(s)
COMM	483	Communications

Course Title
Sports and Social Media

Course Description
A survey of contemporary theories of social media that focuses on how social media affects individuals, communities, and cultures in the world of athletics. Particular attention will be paid to themes such as identity, privacy, access, participatory culture, and attention economies. Students will be able to evaluate and analyze how social media impacts social, economic, and civic lives. Students will simultaneously learn about careers in social media, including social media strategy, content creation, user experience, analytics, and data science. A primary goal of this course is to create a professional production environment for sports media majors - where student teams under the instructor's supervision will produce real-world digital media projects. Prerequisites: COMM-202, COMM-383, and Senior standing. Capstone. 4SH.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

COMM499 - Communication Studies Research

Course Details

Subject Code	Course Number	Department(s)
COMM	499	Communications

Course Title
Communication Studies Research

Course Description
The capstone course brings together student work from various classes, emphasizing especially their research, analytical, interpretive, communication and writing skills. Students create a substantial research project in conjunction with a faculty member and present their work publicly. Required for Communication Studies majors. Prerequisites: COMM-202, COMM-291, senior standing, or instructor's permission. 4 SH. Capstone for Communication Studies. CC: Writing Intensive.

Course Types
Standard (STAND), Capstone (CAPS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

COMM500 - Topics in Communications

Course Details

Subject Code	Course Number	Department(s)
COMM	500	Communications

Course Title
Topics in Communications

Course Description
Examines selected topics in communications, depending on instructor and student interest. Course may be repeated for credit if topic is different. 2 - 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

COMM501 - Practicum

Course Details

Subject Code	Course Number	Department(s)
COMM	501	Communications

Course Title
Practicum

Course Description
The communications practicum is a supervised practical application of knowledge in a given area of study - journalism, public relations, radio, video and sports. The practicum presents unique opportunities that go beyond traditional classroom learning, allowing students to fully understand aspects of their chosen field or explore others. All department majors and minors must complete the number of semester hours required by their degree. Students may take no more than two hours of practicum credit in one semester. The maximum number of total practicum hours a student may take is six. Practicum projects generally require 60 hours of work per semester. Prerequisite: Sophomore standing. 1 SH

Course Types
Practicum (PRACT)

Semester Hours

Semester Hours:
1

COMM502 - Individual Investigation

Course Details

Subject Code
COMM

Course Number
502

Department(s)
Communications

Course Title
Individual Investigation

Course Description
In-depth exploration of selected topics in advertising and public relations, broadcasting, communication studies, journalism and digital content, or sports media with faculty guidance. This course option allows students to focus on topics outside the normal sequence of course offerings. Prerequisite: Department-designated faculty director's permission and approval from department head. May be repeated but not for departmental major credit. 1-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

COMM503 - Honors Study

Course Details

Subject Code
COMM

Course Number
503

Department(s)
Communications

Course Title
Honors Study

Course Description
Independent study for candidates accepted into the departmental honors program. Candidates work under faculty direction, develop and submit a written or production theses, and defend their theses orally. 4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
4

COMM504 - Internship

Course Details

Subject Code
COMM

Course Number
504

Department(s)
Communications

Course Title
Internship

Course Description
On-the-job supervised experience at a corporation, governmental agency, or nonprofit organization. Prerequisites: Junior or senior standing and permission from the internship coordinator and the department head. Variable credit.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
8

COMM505 - Professional Sales Internship

Course Details

Subject Code
COMM

Course Number
505

Department(s)
Communications

Course Title
Professional Sales Internship

Course Description
This course provides students in the Professional Sales major an opportunity to apply the skills and knowledge of the sales discipline learned in the classroom to the professional setting by working within a sales-oriented organization. Prerequisites: Program/Internship coordinator's approval and acceptance by the organization. Graded on an S/U basis. 0-4 SH.

Course Types
Standard (STAND), Internship (INTRN)

Semester Hours

Semester Hours:
0

Credit Hours Max:
4

Criminal Justice Department

Faculty Coordinator

Nicholas J. Clark, Ph.D., Professor of Political Science, department head

Carol Chen, Ph.D., Assistant Professor of Criminal Justice

Programs

Criminal Justice (BA)

About the Program

Program Title
Criminal Justice (BA)

Degree
Bachelor of Arts

Program Code
CJUS.BA

Program Description
Criminal Justice examines different aspects of the criminal justice system, including the micro-level and socio-economic foundations of criminal behavior; the laws and policies that seek to prevent and respond to criminal acts; the political, social, economic, and legal institutions that been created around the system; and the social, economic, and racial biases that are embedded in that system. In addition to completing courses that establish foundational knowledge in the discipline, students choose courses from three elective areas that offer courses relevant to the study of criminology and criminal justice. The major seeks to equip students with the foundational knowledge, methodological training, and practical experiences to pursue careers related to the criminal justice system, including careers in law, social work, law enforcement, and non-profit management.

Learning Goals
- Knowledge about the criminal justice system, including the institutions and processes that constitute that system
- Familiarity with methodological approaches to examining and documenting patterns in criminal behavior
- An understanding of the sociological, psychological, and political foundations to the criminal justice system
- Knowledge of the predominant critiques of the criminal justice system, including racial and socio-economic biases embedded in the system
- An ability to analyze and critique complex arguments, showing strong analytical reasoning abilities

Double-counting Restriction
Majors may not double count more than 12 semester hours (SH) with another major or minor.

Program Requirements

Requirements
48 credits (12 courses)

The following courses are required

4 CJUS-110 Introduction to Criminal Justice

4 CJUS-120 Introduction to Criminology

4 CJUS-210 Crime Prevention and Policy

4 POLI-205 Research Methods 1

4 POLI-212 Introduction to Policy

4 PSYC-101 Principles of Psychology or 4 SOCI-101 Principles of Sociology

4 Capstone INTD-501 or SOCI-501 or POLI-501

12 credits (choose 3 of the following as electives):

4 CJUS-202 Topics in Criminal Justice (can be taken more than once and counted as an elective if covering different subjects)

4 CJUS-250 Police Theory and Practice

4 CJUS-310 Race, Crime, and Criminal Justice

8 credits (choose 2 of the following as electives):

4 POLI 411 Constitutional Law

4 POLI 412 Civil Liberties

4 PSYC 230 Social Psychology

4 PSYC 243 Drugs, Society, and Behavior

4 PSYC 320 Psychological Disorders

4 PSYC 322 Psychological Testing

4 SOCI 102 Social Problems

4 SOCI-255 Crime and Justice

4 SOCI 300 Gender and Crime

4 SOCI-350 Punishment and Society

4 SOCI-405 Law and Society

4 SOCI-500 when the topic is “Juvenile (In)Justice”

Criminal Justice Minor

About the Program

Program Title
Criminal Justice Minor

Program Code
MINR.CJUS

Learning Goals
- Knowledge about the criminal justice system, including the institutions and processes that constitute that system
- Familiarity with methodological approaches to examining and documenting patterns in criminal behavior
- An understanding of the sociological, psychological, and political foundations to the criminal justice system
- Knowledge of the predominant critiques of the criminal justice system, including racial and socio-economic biases embedded in the system
- An ability to analyze and critique complex arguments, showing strong analytical reasoning abilities

Double-counting Restriction
No more than 8 SH can be double-counted with another major or minor.

Program Requirements

Requirements
The following courses are required:

4 CJUS-110: Introduction to Criminal Justice

4 CJUS-120: Introduction to Criminology

4 CJUS-210: Crime Prevention and Policy

12 credits (choose 3 of the following as electives):

4 CJUS-202 Topics in Criminal Justice (can be taken more than once and counted as an elective if covering different subjects)

4 CJUS-250 Police Theory and Practice

4 CJUS-310 Race, Crime, and Criminal Justice

Courses

CJUS110 - Introduction to Criminal Justice

Course Details

Subject Code	Course Number	Department(s)
CJUS	110	Criminal Justice

Course Title
Introduction to Criminal Justice

Course Description
This course offers an overview of the American a structures, goals & outcomes of each of the three main components of the American criminal justice system: law enforcement, courts, and corrections. Students will also identify and evaluate current challenges & issues facing participants in the criminal justice system. Students will approach these questions using a variety of perspectives, including but not limited to: historical, legal, political, and sociological. Students will examine the impact of individual and community attributes such as gender, race and ethnicity, religion and age upon relationships and experiences within our criminal justice system. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CJUS120 - Introduction to Criminology

Course Details

Subject Code	Course Number	Department(s)
CJUS	120	Criminal Justice

Course Title
Introduction to Criminology

Course Description
This course provides a general introduction to the study of crime and criminality. The main focus is to introduce the major criminological theories and how these theories of crime participation are related to the policies and operation of the criminal justice system. Crime measurements, patterns, trends, various crime types, and correlates of crime are discussed and applied within this context. 4 SH. CC: Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

CJUS202 - Topics in Criminal Justice

Course Details

Subject Code	Course Number	Department(s)
CJUS	202	Criminal Justice

Course Title
Topics in Criminal Justice

Course Description
Examines selected topics or problems in criminal justice or criminology. May be repeated for credit if topic is different. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CJUS210 - Crime Prevention and Policy

Course Details

Subject Code	Course Number	Department(s)
CJUS	210	Criminal Justice

Course Title
Crime Prevention and Policy

Course Description
This course examines methods and programs of crime prevention. Throughout the course, students will learn how policy issues and considerations (including but not limited to race, class, labor markets, education, and gender) impact frameworks for crime prevention and system and community responses to crime. Students will learn about system-based and situationally-based approaches and will examine the overlap between these varying approaches to crime prevention. Students will learn about primary, secondary, and tertiary crime prevention measures and will also critically examine research and data in order to evaluate the effectiveness of various measures of prevention. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CJUS220 - Crime Mapping and Statistics

Course Details

Subject Code	Course Number	Department(s)
CJUS	220	Criminal Justice

Course Title
Crime Mapping and Statistics

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CJUS250 - Police Theory and Practice

Course Details

Subject Code	Course Number	Department(s)
CJUS	250	Criminal Justice

Course Title
Police Theory and Practice

Course Description
This course examines the difference between theoretical models of policing and the realities faced in the field. Students will explore how organizational policy, community expectations, legal constraints, and human behavior alter the application of policing principles. Through case studies, discussion, and applied analysis, students will critically evaluate the gap between "how it's supposed to work" and "how it actually works." 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CJUS310 - Race, Crime & Criminal Justice

Course Details

Subject Code	Course Number	Department(s)
CJUS	310	Criminal Justice

Course Title
Race, Crime & Criminal Justice

Course Description
This course provides an overview of how to statistics and criminal legal system outcomes of racial/ethnic minorities - specifically Blacks, Latina/o/s, and American Indians. The course examines scholarship that addresses different perspectives on this issue, as well as the historical underpinnings of race and racism in crime outcomes; public perceptions of the relationship among race/ethnicity and crime; structural racism; and how these statuses play out in the criminal legal system. The ultimate goal is to provide students with a sophisticated understanding of the complex social, economic, and political forces shaping the relationships between race/ethnicity, crime, and punishment in the US. Prerequisite: CJUS-110. 4 SH. CC: Diversity.

Course Types
Diversity (DVERS)

Semester Hours

Semester Hours:
4

Data Science Department

Faculty Coordinator

Edisanter Lo, Ph.D., Professor of Mathematics & Computer Science

Programs

Data Science/Analytics Minor

About the Program

Program Title
Data Science/Analytics Minor

Program Code
MINR.DATA

Double-counting Restriction
Only 4 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
The minor in data science/analytics requires the completion of 24 semester hours of the following courses with grades of C- or better: MATH-180 Statistical Methods (or MATH-108 Introduction to Statistics plus BSAN-233 Data Driven Decision Making), MATH-201 Linear Algebra, CSCI-181 Principles of Computer Science, DSCI-210 Foundations of Data Science, DSCI301 Data Mining, and CSCI-401 Machine Learning.

Courses

DSCI301 - Data Mining

Course Details

Subject Code	Course Number	Department(s)
DSCI	301	Data Science

Course Title
Data Mining

Course Description
This course introduces techniques for extracting useful, previously unknown insights from large datasets in business, science, and other fields. It covers data preprocessing, core algorithms, pattern interpretation, and database design and management. Topics include supervised learning (classification and prediction), unsupervised learning (association rules and clustering), and database concepts such as relational databases, data collection, ER diagrams, SQL, relational algebra, normalization, and schema design. Prerequisites: CSCI-181 Principles of Computer Science; DSCI-210 Foundations of Data Science; and either MATH-180 Statistical Methods or both MATH-108 Introduction to Statistics and BSAN-233 Data Driven Decision Making. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

Diversity Studies Department

Faculty Coordinator

John J. Bodinger de Uriarte, Ph.D., Professor of Anthropology

Programs

Diversity Studies Minor

About the Program

Program Title
Diversity Studies Minor

Program Code
MINR.DIVS

Learning Goals

- Knowledge of the limits and contexts of one's own experience and the ability to value the different experiences of others.
- Recognition and understanding of the diversities of human experience.
- Continued growth development as a contributing member of a number of communities within human society.
- Commitment to an ongoing development of the life of the mind.

Double-counting Restriction
Only 6 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
The minor in diversity studies consists of 22 semester hours, including either DIVS-100 Introduction to Diversity Studies, ANTH–162 Introduction to Anthropology, or SOCI–101 Principles of Sociology; the capstone course for the minor, DIVS-400 Diversity Encounters for a Changing World: Models of Impact; and 16 semester hours selected from courses in the women and gender studies program, courses in the Jewish & Israel studies program and other courses approved by the director of diversity studies.

Courses

DIVS100 - Introduction to Diversity Studies

Course Details

Subject Code	Course Number	Department(s)
DIVS	100	Diversity Studies

Course Title
Introduction to Diversity Studies

Course Description
Introduces students to the study of diversity. Students learn the historical contexts of diversity issues and the scholarly language that has been developed to discuss these issues and investigate how diversity has operated in specific arenas (such as sports or music). 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

DIVS400 - Diversity Encounters Changing World

Course Details

Subject Code	Course Number	Department(s)
DIVS	400	Diversity Studies

Course Title
Diversity Encounters Changing World

Course Description
The capstone course for the minor, this course is a continued examination of diversity issues as they affect personal, group, community and academic discourses. Students work with a faculty mentor to focus, develop and apply knowledge of diversity issues to a significant area of student interest, resulting in a major project. Students need to contact the director of diversity studies to sign up for this course and make arrangements for their particular project. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Earth & Environmental Sciences Department

Faculty

Jennifer Mary Elick, Ph.D., Associate Professor of Earth & Environmental Sciences, department co-head

Ahmed Lachhab, Ph.D., Associate Professor of Earth & Environmental Sciences, department co-head

Katherine Straub, Ph.D., Dean, School of Natural & Social Sciences; Professor of Earth & Environmental Sciences

Dan Ressler, Ph.D., Associate Professor of Earth & Environmental Sciences

Derek J. Straub, Ph.D., Associate Professor of Earth & Environmental Sciences

Siobhan Fathel, Ph.D., Assistant Professor of Earth & Environmental Sciences

Programs

Earth & Environmental Sciences (BS)

About the Program

Program Title
Earth & Environmental Sciences (BS)

Degree
Bachelor of Science

Program Code
EENV.BS

Program Description
Earth and Environmental Sciences

Learning Goals
- Understand the scientific method and how it is applied in the context of a discipline
- Understand the earth system, the connections between abiotic and biotic systems, and the effect of the human society on the natural system. Understand the historical context of environmental awareness
- Application of classification systems: vocabulary, observation and categorization
- Scale interaction within space and time on earth science processes and outcomes
- Geographic relationships of Earth, science processes, landforms and materials and comprehension of methods to relate these relationships
- Data, plot and map interpretation and construction
- Discipline-appropriate methods for observation, classification, characterization and description using relevant technologies and telemetries
- Development of discipline-appropriate synthesis of readings, laboratory work and course material to produce original scientific understanding

Double-counting Restriction
Students in the Earth & Environmental Sciences department may double-count a maximum of 16 semester hours toward another major or minor. Students may not double major in Earth & Environmental Sciences and Ecology.

Departmental honors requirements
The departmental honors program encourages and recognizes superior academic performance in earth and environmental sciences. To graduate with departmental honors, earth and environmental sciences majors must:
• Maintain a cumulative GPA of 3.25 and a GPA of 3.50 in Earth and Environmental Science courses;
• Earn a score of 75% or higher on the department comprehensive exam;
• Earn an A- or higher in both EENV-510 and EENV-511; and
• Pass an oral comprehensive examination of their thesis in their final semester.

Program Requirements

Requirements
All majors must complete the department foundation courses, a choice of distribution courses, and the corollary science and mathematics courses listed below. To satisfy degree requirements, courses in the Department of Earth and Environmental Sciences must be completed with grades of C- or higher. For the purposes of calculating the required 2.00 minimum GPA in the major, the Earth & Environmental Sciences Department uses all of the major courses with the EENV prefix. Students who change majors after completing EENV-102, EENV-103, EENV- 104, EENV-105 or EENV-213 may substitute that course in place of EENV-101 in the introductory sequence.

16 Department Introductory Sequence

4 EENV-101 Environmental Science

4 EENV-113 Geology and the Environment

4 EENV-220 Water Resources

4 EENV-240 Introduction to Meteorology

12 Distribution Requirements: one course each from 3 of the following 4 categories

Water Distribution

EENV-380 Wetlands Analysis

EENV-420 Groundwater Hydrology

Geology Distribution

EENV-283 Sedimentology/Stratigraphy

EENV-313 The Susquehanna River

Surface Distribution

EENV-370 Environmental Geophysics

EENV-383 Soil Science

Climate/Energy Distribution

EENV-242 Climate and Global Change

EENV-332 Sustainable Energy Resources

8 Electives

Choose 8 SH from additional courses in the distribution list above or the following elective courses:

2 EENV-180 Digital Mapping

4 ECOL-201 Ecosystems

4 EENV-250 Topics in Earth and Environmental Sciences

2 EENV-290 Environmental Health and Safety

4 EENV-360 Geographic Information Systems

4 EENV-373 Air Quality

4 EENV-430 Chemistry of Natural Waters

4 CHEM-221 Organic Chemistry I

4 BIOL-408 Aquatic Ecology and BIOL-409 Aquatic Ecology Laboratory

20 Corollary Courses

8 Choose two of the following four options:

BIOL/ECOL-220 Biostatistics **OR** MATH-108 Introduction to Statistics

MATH-111 Calculus I

MATH-112 Calculus II

MATH-201 Linear Algebra

4 General Chemistry I (Choose from: CHEM-103 or CHEM-111)

4 General Chemistry II (Choose from: CHEM-204 or CHEM-232)

4 Introductory Physics I (Choose from: PHYS-202 or PHYS-204)

4 Senior Research: EENV-510 Senior Project I

4 Capstone Experience:

EENV-511 Senior Project II ***or*** 4 SH from an approved Capstone experience in another department

Earth & Environmental Science Minor

About the Program

Program Title
Earth & Environmental Science Minor

Program Code
MINR.EENV

Double-counting Restriction
Students may double-count a maximum of 8 semester hours toward another major or minor.

Program Requirements

Requirements
The minor requires 20 semester hours, with grades of C- or better, from among the courses in the major. No more than 8 SH in 100-level EENV courses may be applied toward the minor.

Environmental Education Minor

About the Program

Program Title
Environmental Education Minor

Program Code
MINR.ENED

Program Description
The Environmental Education Minor provides a comprehensive, interdisciplinary, and experiential approach to preparing students for careers in environmental education and outreach. By integrating environmental literacy, instructional strategies, communication skills, and hands-on teaching experiences, the program ensures that graduates are equipped to educate, engage, and inspire diverse audiences in environmental stewardship.

Learning Goals

- SLG 1 Develop foundational knowledge in ecological systems, sustainability, human-environment interactions and environmental justice.
- SLG 2 Acquire skills for effective environmental education and outreach, including experiential teaching methods, program development, and assessment strategies.
- SLG 3 Demonstrate the ability to apply interdisciplinary approaches to engage diverse audiences, promote environmental literacy, and foster community-based solutions.

Double-counting Restriction
If the internship is taken for zero credits, 4 semester hours of this minor may be double counted toward the student's major or another minor. If the internship is taken for 1 credit, 5 semester hours of this minor may be double counted toward the student's major or another minor. If the internship is taken for 2 credits, 6 semester hours of this minor may be double counted toward the student's major or another minor. If the internship is taken for 3 credits, 7 semester hours of this minor may be double counted toward the student's major or another minor. Finally, if the internship is taken for 4 credits, 8 semester hours of this minor may be double counted toward the student's major or another minor.

Program Requirements

Requirements
The minor in Environmental Education requires 20-24 semester hours. Only courses completed with a grade of C- or higher may be counted toward the minor.

4 Choose 1 Foundational Course in Natural Science

4 ECOL-100 Introduction to Ecology

4 BIOL-101 Ecology and Evolution and BIOL-101L Ecology and Evolution Lab

4 EENV-101 Environmental Science

4 EENV-103 Earth History

8 Required Courses to support Instruction and Curriculum Development

4 ENED-230 Foundations of Environmental Education

2 EDUC-380 Instructional Design

2 ENED-235 Learning in Informal Spaces

8 Interpretation Courses from among these offerings

4 ANTH-323 Wish You Were Here: The Anthropology of Tourism

4 BIOL-330 Conservation Biology and BIOL-331 Conservation Biology Lab

2 ECOL-560 Interdisciplinary Explorations in Ecology, when the topic is Climate Change Biology

2 ECOL-560 Interdisciplinary Explorations in Ecology, when the topic is Sustainable Food Systems

4 EENV-105 Energy and the Environment

2 EENV-180 Digital Mapping

4 EENV-242 Climate and Global Change

4 EENV-250 Topics in Earth and Environmental Sciences

2 EENV-290 Environmental Health and Safety

4 ENGL-205 Literature Studies, when the topic is Climate Change Narratives

4 ENGL-289 Grant Writing

4 ENGL-299 Professional and Civic Writing

4 ENST-117 American Environmental History

4 ENST-201 Environmental Humanities

4 ENST-301 Current Topics in Environmental Studies

4 ENST-335 Environmental Laws and Regulations

4 INTD-340 Science Exploration and Inquiry Based Science

4 MGMT-373 Managing for Sustainability

4 PHIL-226 Philosophy, Ethics and the Environment

4 POLI-352 Environmental Policy

4 RELI-235 Environmental Ethics

4 SOCI-320 Environmental Sociology

4 WRIT-253 Introduction to Creative Nonfiction, when incorporating Environmentally themed assignment

Required Internship – 0-4 SH

Students must complete an internship, which may or may not be taken for credit. ENED-200 is recommended but other internships may be considered. All internships require approval by the Program Coordinator.

Watershed Studies Minor

About the Program

Program Title
Watershed Studies Minor

Program Code
MINR.WTST

Learning Goals
- Possess in-depth knowledge for assessing and improving the health of watersheds.
- Acquire skills applicable to watershed research, restoration, and management, such as fieldwork, grant writing, mapping, and project management.
- Demonstrate an understanding of the interdisciplinary approach needed to achieve successful outcomes for watersheds.

Double-counting Restriction
Only 8 semester hours of this minor may be double counted toward the student's major or another minor.

Program Requirements

Requirements
The minor in watershed studies requires students to complete a minimum of 21 semester hours. Student must complete the following courses with a grade of C- or higher:

5 **Required courses:**

4 EENV-220 Water Resources

1 WTST-200 Watershed Studies Colloquium

4 **Choose from:**

4 ECOL-408 Aquatic Ecology and ECOL-409 Aquatic Ecology Laboratory

4 BIOL-335 Restoration Ecology

4 EENV-313 Susquehanna River

4 ENST-301 Current Topics in Environmental Studies

4 **Choose from:**

4 ENST-335 Environmental Laws and Regulations

4 POLI-212 Introduction to Public Policy

4 POLI-215 Law and Politics

4 POLI-351 Public Administration

4 POLI-352 Environmental Policy

4 **Choose from:**

4 ENGL-299 Professional & Civic Writing

4 EENV-360 Geographic Information Systems

4 **Choose from:**

4 MGMT-240 Principles of Management

4 POLI-355 Non-Profit Management

0-4 **Internship**

Courses

EENV101 - Environmental Science

Course Details

Subject Code
EENV

Course Number
101

Department(s)
Earth & Environmental Sciences

Course Title
Environmental Science

Course Description
Modern society functions with incredible resources and conveniences. Some of this progress has come at a great environmental price. This course investigates the scientific principles of the geosphere, hydrosphere, biosphere, and atmosphere, and examines the environmental issues that our society faces. Topics include sustainability,ecology, resources, energy, pollution, wastes, and approaches at living in a more sustainable way. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

EENV102 - Environmental Hazards

Course Details

Subject Code
EENV

Course Number
102

Department(s)
Earth & Environmental Sciences

Course Title
Environmental Hazards

Course Description
Investigation of selected natural hazards, including volcanic eruptions, earthquakes, severe weather, and landslides that affect and may be affected by humans. Topics are interrelated by case studies, discussion of current issues, and laboratory and field exercises. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

EENV103 - Earth History

Course Details

Subject Code
EENV

Course Number
103

Department(s)
Earth & Environmental Sciences

Course Title
Earth History

Course Description
This course focuses on life from its origin on this planet to its present diversity of species. Students learn about the fundamental physical and biological changes that have shaped and influenced the Earth system since its formation 4.6 billion years ago. Topics addressed include physical concepts that deal with geologic time and stratigraphic relationships, plate tectonics and nutrient cycling. Discussions cover such topics as the origin of life, evolutionary processes, the expansion of biodiversity, the radiation of organisms in the oceans, the conquest of land, mass extinctions, dinosaurs and the rise of humans. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

EENV104 - Weather and Climate

Course Details

Subject Code
EENV

Course Number
104

Department(s)
Earth & Environmental Sciences

Course Title
Weather and Climate

Course Description
Introduction to basic concepts in meteorology, including temperature, pressure, precipitation, winds, fronts, severe weather, forecasting, and atmospheric measurements. The focus is on observing the atmosphere and explaining our observations. Labs include weather map analysis, lab experiments, and field trips. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

EENV105 - Energy and the Environment

Course Details

Subject Code	Course Number	Department(s)
EENV	105	Earth & Environmental Sciences

Course Title
Energy and the Environment

Course Description
Modern society relies on cheap and abundant energy for almost every aspect of daily life, from transportation to entertainment. Where does this energy come from? How much do we consume? How will we meet our future energy needs? What are the consequences of our energy use? These questions will be addressed as energy use and its impact on the environment is explored. Topics include the scientific principles that define energy and its transformation, society's current reliance on fossil fuels, climate change, and alternative and sustainable energy sources. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

EENV113 - Geology and the Environment

Course Details

Subject Code	Course Number	Department(s)
EENV	113	Earth & Environmental Sciences

Course Title
Geology and the Environment

Course Description
Fundamental concepts and principles of geology and the processes and materials that interact at the surface of the Earth. The course includes rocks and minerals, plate tectonic interactions, weathering and erosion, the cycling of materials through different environments, and how we use these resources. Same as ECOL-113. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

EENV131 - Oceanography

Course Details

Subject Code	Course Number	Department(s)
EENV	131	Earth & Environmental Sciences

Course Title
Oceanography

Course Description
Introduction to oceanography. The processes that control the formation and function of the oceans. The course focuses on food, mineral, and energy resources associated with the ocean and societies' influence on those resources. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Diversity Intensive, Ethics Intensive, Scientific Explanations.

Course Types
Standard (STAND), Scientific Explanations (SCNTF), Ethics Intensive (INETH), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

EENV180 - Digital Mapping

Course Details

Subject Code	Course Number	Department(s)
EENV	180	Earth & Environmental Sciences

Course Title
Digital Mapping

Course Description
Professionals across the social sciences and natural sciences record locations where samples are taken along with the social or physical measurements. In a digital world, students need to construct digital maps to support their research efforts. This course explores how to acquire published geographic data, simplify it for mobile devices, construct personalized layers for location and digital data collection, and combine these efforts to launch their own personalized, interactive maps. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EENV220 - Water Resources

Course Details

Subject Code
EENV

Course Number
220

Department(s)
Earth & Environmental Sciences

Course Title
Water Resources

Course Description
Introduction to watersheds and water resources. Study the distribution and variation in water resources (lakes, rivers, groundwater) and the historical impact of water resources on societies past and present. Topics include: surface water hydrology, fluvial geomorphology, hill slope processes, water budgets, stream flow, water allocation law, water conflicts, and surface water and groundwater interactions. Prerequisite: EENV-101 or ECOL-100 or EENV-113. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

EENV240 - Introduction to Meteorology

Course Details

Subject Code
EENV

Course Number
240

Department(s)
Earth & Environmental Sciences

Course Title
Introduction to Meteorology

Course Description
A comprehensive overview of the atmospheric processes responsible for observed weather patterns. This course provides students with an understanding of radiation and energy budgets, cloud formation, precipitation processes, surface and upper-level winds, the global circulation, and the development of mid-latitude cyclones and severe weather. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

EENV242 - Climate and Global Change

Course Details

Subject Code
EENV

Course Number
242

Department(s)
Earth & Environmental Sciences

Course Title
Climate and Global Change

Course Description
An overview of the Earth's past, present, and future climate. Topics include climate forcing, response, and feedbacks; observed climate change; climate data; anthropogenic climate change; and climate change treaties. Prerequisite: Sophomore standing. 4 SH. CC: Interdisciplinary, Writing Intensive.

Course Types
Writing Intensive (INWRT), Interdisciplinary (DISCP), Standard (STAND)

Semester Hours

Semester Hours:
4

EENV250 - Topics in Earth & Environmental Science

Course Details

Subject Code
EENV

Course Number
250

Department(s)
Earth & Environmental Sciences

Course Title
Topics in Earth & Environmental Science

Course Description
Selected topics vary depending on instructor, student interest, and new advances in environmental science. Topics might include watershed modeling, geology of Pennsylvania, meteorology, or the natural history of the Susquehanna River basin. Prequisite: Earth and environmental sciences major or minor, environmental studies major or minor, ecology major or minor. 1-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

EENV283 - Sedimentology/Stratigraphy

Course Details

Subject Code
EENV

Course Number
283

Department(s)
Earth & Environmental Sciences

Course Title
Sedimentology/Stratigraphy

Course Description
An introduction to the properties, classification, and nomenclature of soils, sediments and sedimentary rocks. Discusses processes that create, transport, deposit and lithify sediments. Students examine depositional environments where sediments form and accumulate, the properties of sedimentary rocks, and the stratigraphic framework of sedimentary successions. Prerequisite: EENV-113. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

EENV290 - Environmental Health & Safety

Course Details

Subject Code
EENV

Course Number
290

Department(s)
Earth & Environmental Sciences

Course Title
Environmental Health & Safety

Course Description
This course introduces the environmental health and safety field, discusses how this area of work is typically utilized and managed at the corporate level, and will shed light on why environmental stewardship/health and employee safety are often combined. Topics will include: hazard identification and mitigation, incident control and management, how to use workplace safety and environmental data, root cause analysis and several others. In addition, a working understanding of pertinent environmental and OSHA regulations will be covered; along with tools and techniques that allow for effective and comprehensive management of an EH&S system. 2 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EENV313 - The Susquehanna River

Course Details

Subject Code
EENV

Course Number
313

Department(s)
Earth & Environmental Sciences

Course Title
The Susquehanna River

Course Description
This course will examine the Susquehanna River drainage basin from multiple perspectives including its geologic history, ecologic relationships and influences throughout the basin, the historical colonization and use of resources within the basin, and our recent response to the environmental issues that currently plague the system. Through a multidisciplinary approach, we will begin to better understand this complex environment and its future outcome. Prerequisites: EENV-101 or ECOL-100 and EENV-113. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Ethics Intensive and Interdisciplinary.

Course Types
Science Lab (LAB), Interdisciplinary (DISCP), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

EENV332 - Sustainable Energy Resources

Course Details

Subject Code
EENV

Course Number
332

Department(s)
Earth & Environmental Sciences

Course Title
Sustainable Energy Resources

Course Description
An overview of energy use, its effect on the environment, and the potential for sustainable energy solutions. Traditional, non-sustainable energy production from fossil fuels is first described in terms of energy efficiency, environmental impact, and available reserves. This is followed by a description of individual sustainable energy technologies with a focus on the underlying science, energy production rates, viability, and potential limitations. Specific technologies that are discussed include wind turbines, solar thermal systems, solar photovoltaics, hydropower, wave and tidal energy capture, and geothermal heating. Prerequisites: Sophomore standing. 3 lecture hours, 3 laboratory/field hours. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

EENV360 - Geographic Info Systems

Course Details

Subject Code
EENV

Course Number
360

Department(s)
Earth & Environmental Sciences

Course Title
Geographic Info Systems

Course Description
An introduction to Geographic Information Systems (GIS) theory, software and practical application. Students will use GIS software to organize, edit, analyze, and display geographic data to develop new understanding and interpretation of both natural and human landscapes and resources. Mapping exercises and student projects will be used to develop skills in data management, spatial analysis and estimation (geostatistics), terrain analysis, and spatial modeling. Prerequisite: Sophomore standing. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Interdisciplinary.

Course Types
Science Lab (LAB), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

EENV370 - Environmental Geophysics

Course Details

Subject Code
EENV

Course Number
370

Department(s)
Earth & Environmental Sciences

Course Title
Environmental Geophysics

Course Description
Methods of near-surface geophysical explorations with emphasis on solving environmental and geotechnical problems. Students learn the basic physical variation in Earth and non-Earth materials and how these variations may be used to discern what lies beneath the Earth's surface. Examples of near-surface geophysical applications include detection of contaminant plumes, buried metallic objects, variations in geological materials, aggregates and mining, forensics, archaeology, and hydrogeology. Prerequisites: EENV-113 Geology & the Environment and MATH-111 Calculus I. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

EENV373 - Air Quality

Course Details

Subject Code
EENV

Course Number
373

Department(s)
Earth & Environmental Sciences

Course Title
Air Quality

Course Description
An introduction to air quality and air pollution issues from the regional scale to the global scale. This course examines the various types and sources of air pollutants and the effects of air pollution on health, welfare and the environment. Specific topics include acid deposition, tropospheric and stratospheric ozone, visibility degradation, air pollution meteorology, and regulatory aspects of air quality. Laboratory experiments focus on air-quality measurement strategies. Prerequisites: EENV-240, General Chemistry I (CHEM-103, or -111), General Chemistry II (CHEM-204, or 112), or instructor's permission. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

EENV380 - Wetlands Analysis

Course Details

Subject Code
EENV

Course Number
380

Department(s)
Earth & Environmental Sciences

Course Title
Wetlands Analysis

Course Description
Wetlands are complex environments that are controlled by chemical, biological and physical interactions. The course explores the structure, function, management, and jurisdictional delineation of non-tidal freshwater wetlands. Lecture material covers the history of wetlands use/abuse, current definitions, and analysis of the common indicators of wetland function; hydrology, soils and vegetation. The laboratory consists of plant identification, techniques for hydric soil analysis, identification of wetland hydrology indicators using current methodologies for delineation of jurisdictional wetlands. Same as ECOL-380. Prerequisite: CHEM-204. 4 SH.3 lecture hours, 3 laboratory/field hours. CC:Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

EENV383 - Soil Science

Course Details

Subject Code
EENV

Course Number
383

Department(s)
Earth & Environmental Sciences

Course Title
Soil Science

Course Description
Soil science is the exploration of the organic and mineral material that forms thin layers where atmospheric, biological and geological interactions occur. Students study the materials that make up soil, their relationship to each other, water and air interactions, and the biological, chemical and physical processes that are at work in soil. The course also explores how various cultures have used and abused this natural resource and how different diversity markers, such as sexual orientation, ethnic background, global residence and socioeconomic status, have affected the science and participation in federal support programs. Prerequisite: EENV:113 or instructor's permission. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Diversity Intensive.

Course Types
Science Lab (LAB), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

EENV420 - Groundwater Hydrology

Course Details

Subject Code
EENV

Course Number
420

Department(s)
Earth & Environmental Sciences

Course Title
Groundwater Hydrology

Course Description
A comprehensive study of groundwater and the technologies that locate, extract and protect this resource. Emphasizes practical knowledge, developing theoretical principles when applicable. Includes origin and movement of groundwater, exploration techniques and groundwater computer modeling. Prerequisites: EENV-101 or ECOL-100, EENV-113, and MATH-111. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

EENV430 - Chemistry of Natural Waters

Course Details

Subject Code
EENV

Course Number
430

Department(s)
Earth & Environmental Sciences

Course Title
Chemistry of Natural Waters

Course Description
Chemical reactions in the atmosphere, the land surface, and in the groundwater determine the distribution of both beneficial and toxic materials on earth that may affect resource distribution and human health. Chemistry of Natural Waters examines the elements and reactions that govern the mobility, stability, and distribution of nutrients, salts, and toxins in freshwater, marine, atmospheric, and groundwater systems. Chemical analysis techniques, field methods, computer applications, and problem-solving are important components of the course. Prerequisites: CHEM-204. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

EENV510 - Senior Project I

Course Details

Subject Code
EENV

Course Number
510

Department(s)
Earth & Environmental Sciences

Course Title
Senior Project I

Course Description
Introduces students to environmental research, reading, and writing in the context of a collaborative or independent research project. Prerequisite: Instructor's permission. 4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
4

EENV511 - Senior Project II

Course Details

Subject Code
EENV

Course Number
511

Department(s)
Earth & Environmental Sciences

Course Title
Senior Project II

Course Description
A continuation of collaborative or independent research with an emphasis on written and oral presentation of data and explanation of results. Prerequisite: EENV-510 or instructor's permission. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Research (RSRCH), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

EENV560 - Independent Study

Course Details

Subject Code
EENV

Course Number
560

Department(s)
Earth & Environmental Sciences

Course Title
Independent Study

Course Description
Individual students select a contemporary environmental topic to investigate in depth and propose their plan of study to the department for approval. Each student is assigned a departmental faculty mentor to oversee the project. Projects require extensive literature searches accompanied by oral and written presentations. Prerequisites: Junior or senior standing and department approval of project. 4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

EENV590 - Internship

Course Details

Subject Code
EENV

Course Number
590

Department(s)
Earth & Environmental Sciences

Course Title
Internship

Course Description
Individual student work in private industry or public agency. Open only when positions are available. The student, employer and the department internship coordinator must complete the student learning contract prior to the end of the drop/add deadline. Oral and written presentations and employer's written evaluation are required. Prerequisites: Junior or senior standing and department permission. May be repeated for credit. 2-4 SH. Capstone.

Course Types
Internship (INTRN), Capstone (CAPS)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

EENV595 - Research in Earth & Environmental Sci

Course Details

Subject Code
EENV

Course Number
595

Department(s)
Earth & Environmental Sciences

Course Title
Research in Earth & Environmental Sci

Course Description
Independent research projects in the earth and environmental sciences. Prerequisites: Junior or senior standing and department permission. 2 SH. Capstone.

Course Types
Research (RSRCH), Capstone (CAPS)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

EENV597 - Field Program

Course Details

Subject Code
EENV

Course Number
597

Department(s)
Earth & Environmental Sciences

Course Title
Field Program

Course Description
Participate in another institution's summer field program and transfer the credits to satisfy the capstone experience requirement in earth and environmental sciences. Acceptable programs are those that are three to six weeks in length and include field instruction, independent projects and a final presentation of the completed work. Requirements to be met in residence at Susquehanna include attendance at capstone class meetings and completion of projects assigned therein, to include both written and oral presentation of the work. Prerequisite: Department permission. 2-4 SH. Capstone.

Course Types
Capstone (CAPS)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

ENED200 - Environmental Education Internship

Course Details

Subject Code
ENED

Course Number
200

Department(s)
Earth & Environmental Sciences

Course Title
Environmental Education Internship

Course Description
This course provides students in the Environmental Education minor with an opportunity to apply the skills and knowledge of the discipline to the professional work environment. Prerequisites: Program coordinator's approval, acceptance by the organization, completion of the Internship Student Learning Contract. Graded on a S/U basis. 0-4 SH.

Course Types
Standard (STAND), Internship (INTRN)

Semester Hours

Semester Hours:
0

Credit Hours Max:
4

ENED230 - Foundation of Environmental Education

Course Details

Subject Code
ENED

Course Number
230

Department(s)
Earth & Environmental Sciences

Course Title
Foundation of Environmental Education

Course Description
This course explores the theoretical, historical, and practical foundations of environmental education. Students will engage in hands-on, project-based learning experiences to develop instructional strategies, evaluate environmental literacy, and analyze the role of environmental education in diverse learning environments. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENED235 - Learning in Informal Spaces

Course Details

Subject Code
ENED

Course Number
235

Department(s)
Earth & Environmental Sciences

Course Title
Learning in Informal Spaces

Course Description
This course explores the ways people learn outside of traditional classrooms, focusing on state parks, conservancies, museums, libraries, religious institutions, community programs, science centers, and digital platforms. Students will investigate how these spaces foster learning, encourage curiosity, and complement formal education. Through hands-on explorations, discussions, and project-based learning, students will analyze, design, and experience informal education in action. 2 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

WTST200 - Watershed Studies Colloquium

Course Details

Subject Code
WTST

Course Number
200

Department(s)
Earth & Environmental Sciences

Course Title
Watershed Studies Colloquium

Course Description
This course provides students in the Watershed Studies minor with an opportunity to apply the skills and knowledge of the discipline to the professional work environment. Prerequisites: Program coordinator's approval, acceptance by the organization, completion of the Internship Student Learning Contract. Graded on a S/U basis. 0-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

WTST400 - Watershed Studies Internship

Course Details

Subject Code
WTST

Course Number
400

Department(s)
Earth & Environmental Sciences

Course Title
Watershed Studies Internship

Course Description
This course provides students in the Watershed Studies minor with an opportunity to apply the skills and knowledge of the discipline to the professional work environment. Prerequisites: Program coordinator's approval, acceptance by the organization, completion of the Internship Student Learning Contract. Graded on a S/U basis. 0-4 SH.

Course Types
Standard (STAND), Internship (INTRN)

Semester Hours

Semester Hours:
0

Credit Hours Max:
4

Ecology Department

Faculty Coordinator

Matthew Persons, Ph.D., Professor of Biology

Programs

Ecology (BS)

About the Program

Program Title
Ecology (BS)

Degree
Bachelor of Science

Program Code
ECOLOGY.BS

Program Description
Ecology is an interdisciplinary program that draws on the strengths of the Biology Department and the Earth and Environmental Sciences Department and provides students the possibility of earning either a major or a minor in ecology.

Learning Goals
- Ecology majors will learn to identify and describe the basic principles and theories of ecology and the related sciences (biology, environmental science and geology)
- Using these principles and theories, students will learn to construct and critique logical scientific arguments
- Students will learn to use appropriate skills and techniques to acquire and evaluate scientific evidence
- Students will recognize how basic ecological principles and theories are relevant to the broader university curriculum, as well as to their daily lives

Double-counting Restriction
Students majoring in ecology may double-count a maximum of 16 semester hours toward another major or minor. Students may not double major in Ecology and Earth and Environmental Sciences.

Departmental honors requirements
The ecology program encourages and recognizes superior academic performance in ecology.

Candidates for academic honors must:
• Maintain a cumulative GPA of 3.25 and a GPA of 3.50 in major courses to qualify for academic honors;
• Successfully complete Student Research I and II (ECOL-510 and ECOL-511) and earn a grade of B- or better in these courses.

Candidates for research honors must:
• Be nominated by a member of the faculty who teaches within the ecology program by midterm of Student Research II (ECOL-511).
• Submit an acceptable research thesis based upon two semesters of Student Research (ECOL-510 and ECOL-511).
• Pass an oral comprehensive examination of their thesis in their final semester. The oral comprehensive examination is administered by faculty who teach within the ecology major.

Ecology Research Facilities
The Center for Environmental Education and Research (CEER) is an 87-acre tract of land immediately adjacent to campus that serves as a convenient field station for observational and manipulative studies in ecology. The CEER is home to the Freshwater Research Institute, a research laboratory and center for freshwater ecological research. The CEER also includes a research greenhouse, research plots and storage facilities for field equipment. In addition, the department operates the George A. Hepner Ecology Laboratory at Camp Karoondinha. It provides a small research laboratory and a variety of habitats, offering students experience through short- and long-term experiments. The property features more than 600 acres from 600 to 1,800 feet above sea level. It includes both deciduous and mixed coniferous forests, an 8-acre lake, Penns Creek and small streams.

Program Requirements

Requirements
The Bachelor of Science degree in ecology requires 56 semester hours in biology, earth and environmental sciences and chemistry with grades of C- or better in ecology, biology, and earth and environmental sciences courses. The Bachelor of Science in ecology includes a four-course introductory sequence and a year or more of student research. In addition, the 56 semester hours include 24 semester hours of elective courses with at least 12 drawn from each of Category 1 and Category 2. In cases where the lecture and laboratory components of courses are listed separately, students in the ecology program must take both lecture and laboratory.

16 Introductory Sequence (16 semester hours)

4 ECOL-100 Introduction to Ecology

(BIOL-101 Ecology and Evolution, EENV-101 Environmental Science, or EENV-103 Earth History may substitute as an initial course in the introductory sequence)

4 ECOL-110 Biogeodiversity

4 ECOL-201 Community and Ecosystems Ecology

4 BIOL-220 Biostatistics

24 semester hours of elective courses chosen from the following, with at least 12 semester hours taken in Category 1 and 12 semester hours taken in category 2.

Category 1: **Biology Electives**: 12 credits must be chosen from the following. The course must be accompanied with the laboratory when offered and at least two courses of the 12 credits must be lab-based.

4 BIOL-312-313 Microbiology

4 BIOL-324-325 Animal Behavior

4 BIOL-326-327 Invertebrate Zoology

4 BIOL-330/331 Conservation Biology

4 BIOL-332/333 Population Biology

4 BIOL-335/336 Restoration Ecology

4 BIOL-340/341 Marine Ecology

4 BIOL-404/405 Plant Physiology

4 BIOL-408/409 Aquatic Ecology

4 BIOL-416/417 Limnology

2-4 ECOL-560 Explorations in Ecology (e.g. Sustainable Food Systems, Biology of Invasive Species, Amphibian Population Declines, Ecological Analysis: an Introduction to R, Fish Biology, Conservation Biology, Human Evolution and Behavior, etc.)

Category 2: **Environmental Science Electives**: 12 credits must be chosen from the following:

4 EENV-113 Geology and the Environment

4 EENV-213 Oceanography

4 EENV-220 Water Resources

4 EENV-240 Introduction to Meteorology

4 EENV-242 Climate and Global Change

4 EENV-283 Sedimentology/Stratigraphy

4 EENV-313 The Susquehanna River

4 EENV-360 Geographic Information Systems

4 EENV-380 Wetlands Analysis

4 EENV-383 Soil Science

4 EENV-420 Groundwater Hydrology

4 EENV-430 Chemistry of Natural Waters

8 Student Research*

2 ECOL-509 Student Research I

2 or 4 ECOL-510 Student Research I

4 ECOL-511 Student Research II

* ECOL-509 Student Research I may be taken during the third year for students that require more than one field season of research. ECOL-510 Student Research I may be taken as either 2 or 4 semester hours senior year. Students who have completed ECOL-509 must take no more than 2 semester hours of ECOL- 510.

8 Required Corollary Courses

Students must complete the following corollary chemistry courses:

4 General Chemistry I – choose from: CHEM-103 or CHEM-111

4 General Chemistry II – choose from: CHEM-204 or CHEM-232

Note: Additional corollary courses are strongly recommended for those intending to pursue graduate training. These recommended courses include CHEM-221 Organic Chemistry I, CHEM-222 Organic Chemistry II, CHEM-242 Methods of Chemical Analysis, Introductory Physics I (PHYS-202, or PHYS-204), and Introductory Physics II (PHYS-205 or PHYS-206).

Majors must also take a comprehensive ecology examination prior to graduation. Exam content will be drawn from introductory sequence courses. Students have multiple opportunities to take the comprehensive examination; only the highest score is recorded on the transcript. Performance on the comprehensive examination is reported on the transcript as high pass, pass or fail.

Ecology Minor

About the Program

Program Title
Ecology Minor

Program Code
MINR.ECOL

Double-counting Restriction
Only 8 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
The minor in ecology requires 24 semester hours in ecology, biology, and earth and environmental sciences with grades of C- or better. The first course in the minor may be one of the following: ECOL-100, BIOL-101, EENV-101 or EENV-103. That introductory course should be followed by the sequence of ECOL-110/BIOL-204 and ECOL-201. Following the completion of the introductory sequence, the student will take at least four semester hours from Category 1 (biology) and four semester hours from Category 2 (earth and environmental sciences).

Category 1: **Biology Electives** (must be taken with the laboratory)

4 BIOL-312/313 Microbiology

4 BIOL-324/325 Animal Behavior

4 BIOL-326/327 Invertebrate Zoology

4 BIOL-332/333 Population Biology

4 BIOL-335/336 Restoration Ecology

4 BIOL-404/405 Plant Physiology

4 BIOL-408/409 Aquatic Ecology

4 BIOL-416/417 Limnology

Category 2: **Environmental Science Electives**

4 EENV-213 Oceanography

4 EENV-220 Water Resources

4 EENV-240 Introduction to Meteorology

4 EENV-242 Climate and Global Change

4 EENV-283 Sedimentology/Stratigraphy

4 EENV-313 The Susquehanna River

4 EENV-360 Geographic Information Systems

4 EENV-380 Wetlands Analysis

4 EENV-383 Soil Science

4 EENV-420 Groundwater Hydrology

4 EENV-430 Chemistry of Natural Waters

Courses

ECOL100 - Introduction to Ecology

Course Details

Subject Code
ECOL

Course Number
100

Department(s)
Ecology

Course Title
Introduction to Ecology

Course Description
An introduction to ecology and its relationships with other disciplines of science. Emphasizes analysis of current problems in the ecological sciences, particularly as they relate to decisions that students will have to make as citizens of a scientific/technological society. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

ECOL110 - Biogeodiversity

Course Details

Subject Code
ECOL

Course Number
110

Department(s)
Ecology

Course Title
Biogeodiversity

Course Description
Explores the influences of geology (abiotic factors) on the diversity of life. Students investigate multiple issues posed by the science and technology of the diversity of life on this planet. Particular issues range from how many species occur on earth to how to establish effective public policy guidelines for protection of life's diversity. Pre-requisites: BIOL-101 or EENV-101 or ECOL-101 or BIOL-205. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Team Intensive,Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT), Biology Lab (BILAB)

Semester Hours

Semester Hours:
4

ECOL113 - Geology and the Environment

Course Details

Subject Code
ECOL

Course Number
113

Department(s)
Ecology

Course Title
Geology and the Environment

Course Description
Fundamental concepts and principles of geology and the processes and materials that interact at the surface of the Earth. The course includes rocks and minerals, plate tectonic interactions, weathering and erosion, the cycling of materials through different environments, and how we use these resources. Same as EENV-113. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

ECOL201 - Community and Ecosystems Ecology

Course Details

Subject Code
ECOL

Course Number
201

Department(s)
Ecology

Course Title
Community and Ecosystems Ecology

Course Description
Ecosystem ecology addresses the interactions between organisms and their environment as an integrated system. The physical setting for an ecosystem, the climate, geology, and soils interact with water, nutrients and energy to control the organisms that thrive there. Prerequisite: BIOL-101 or ECOL-100 or EENV-101. 4 SH. 3 lecture hours, 3 laboratory/field hours.

Course Types
Science Lab (LAB), Biology Lab (BILAB)

Semester Hours

Semester Hours:
4

ECOL220 - Biostatistics

Course Details

Subject Code
ECOL

Course Number
220

Department(s)
Ecology

Course Title
Biostatistics

Course Description
Biostatistics will focus on the collection and analysis of biological data. The course is designed to introduce students to the fundamental concepts of experimental and sampling design,as well as quantitative hypothesis testing. Some equations will be covered in the course; however, the emphasis will be on interpretation and presentation of statistical results. These concepts will be reinforced in upper level biology/ecology/neuroscience courses taken by students to fulfill distribution requirements during their junior and senior years. Same as BIOL-220. Prerequisites: Sophomore standing and either BIOL-101, BIOL-102,or ECOL-100. 4 SH. 4 lecture hours. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

ECOL380 - Wetlands Analysis

Course Details

Subject Code
ECOL

Course Number
380

Department(s)
Ecology

Course Title
Wetlands Analysis

Course Description
Wetlands are complex environments that are controlled by chemical, biological and physical interactions. The course explores the structure, function, management, and jurisdictional delineation of non-tidal freshwater wetlands. Lecture material covers the history of wetlands use/abuse, current definitions, and analysis of the common indicators of wetland function; hydrology, soils and vegetation. The laboratory consists of plant identification, techniques for hydric soil analysis, identification of wetland hydrology indicators using current methodologies for delineation of jurisdictional wetlands. Same as EENV-380. Prerequisite: CHEM-204. 4 SH. 3 lecture hours, 3 laboratory/field hours. CC: Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ECOL501 - Independent Study

Course Details

Subject Code
ECOL

Course Number
501

Department(s)
Ecology

Course Title
Independent Study

Course Description
Individual work on selected topics for qualified students under faculty direction. Requires approval of supervising professor and department head. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ECOL509 - Student Research I

Course Details

Subject Code
ECOL

Course Number
509

Department(s)
Ecology

Course Title
Student Research I

Course Description
Introduces students to methods and techniques of ecological research in the context of a collaborative research project. Prerequisite: Instructor's permission. 2 SH. 8 contact hours.

Course Types
Standard (STAND), Research (RSRCH)

Semester Hours

Semester Hours:
2

ECOL510 - Student Research I

Course Details

Subject Code
ECOL

Course Number
510

Department(s)
Ecology

Course Title
Student Research I

Course Description
Introduces students to methods and techniques of ecological research in the context of a collaborative research project. Prerequisite: Instructor's permission. 2 or 4 SH. 16 contact hours.

Course Types
Research (RSRCH), Ecology Major (ECOL)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

ECOL511 - Student Research II

Course Details

Subject Code	Course Number	Department(s)
ECOL	511	Ecology

Course Title
Student Research II

Course Description
Collaborative research with an emphasis on presentation of data and explanation of results. Prerequisite: Instructor's permission. 4 SH. 16 contact hours. Capstone. CC: Writing Intensive.

Course Types
Research (RSRCH), Capstone (CAPS), Ecology Major (ECOL), Writing Intensive (INWRT)

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

ECOL560 - Interdisciplinary Explorations Biology

Course Details

Subject Code	Course Number	Department(s)
ECOL	560	Ecology

Course Title
Interdisciplinary Explorations Biology

Course Description
Explores salient issues in the biological sciences from an interdisciplinary perspective. Prerequisite: Sophomore standing and BIOL-101, BIOL-102, ECOL-100 or instructor's permission. CC: Interdisciplinary. 2-4 SH.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

Economics Department

Faculty

Theresa Finley, Ph.D., Associate Professor of Economics, department head

Matthew C. Rousu, Ph.D., Dean, Sigmund Weis School of Business; Professor of Economics

Olu Onafowora, Ph.D., Professor of Economics

Lyudmyla Ardan, Ph.D., Associate Professor of Economics

Katarina R. Keller, Ph.D., Associate Professor of Economics

Jungjun Park, Ph.D., Assistant Professor of Economics and Finance & Analytics

Programs

Economics (BS)

About the Program

Program Title
Economics (BS)

Degree
Bachelor of Science

Program Code
BUS.EC.BS

Program Description
Susquehanna University has two degree programs in economics. The Bachelor of Arts (B.A.) degree is a liberal arts degree earned in the university's School of Natural & Social Sciences. Students pursuing a Bachelor of Arts in economics choose an emphasis in financial economics, general economics, or mathematical economics. The Bachelor of Science (B.S.) degree is a more technical degree and is earned in the Sigmund Weis School of Business. It integrates extensive business administration coursework into the study of economics.

Learning Goals
- Demonstrate understanding of the concept of scarcity of resources and the opportunity cost associated with choices made
- Demonstrate understanding of basic economic models of supply and demand, the role of prices in efficient allocation of resources, and how changes to supply and demand affect the market price and quantity of a particular good or service
- Demonstrate understanding of how the national economy works, the role of government in the economy, and the reasons for macroeconomic policy proposals
- Understand interactions in a global economy setting, the basis for exchange and the sources of comparative advantage that drive trade
- Demonstrate understanding of international trade issues and the impact of appreciations and depreciations of exchange rates on different sectors of the economy
- Understand economic data and some basic analysis methods

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Marketing & Management. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Program Requirements

Requirements

Requirements for the Bachelor of Science Degree with a Major in Economics
Candidates for the Bachelor of Science with a major in economics successfully complete the business foundation courses as follows and at least 20 semester hours of economics at the 300-level or above as listed below. No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester Weis School students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

No grade less than C- will be accepted to satisfy major course requirements.

Business Foundation Courses for Economics (B.S.) Majors

Complete one of the following Introduction to Business classes:

4	MGMT-195 Global Business Perspectives
2	MGMT-138 Fundamentals of Business

Complete one of the following statistics classes:

4	MATH-108 Introduction to Statistics
4	MATH-180 Statistical Methods
4	MGMT-202 Business Statistics
4	PSYC-123 Statistics for the Behavioral Sciences

Required courses:

4	ACCT-200 Financial Accounting
4	ACCT-210 Legal Environment
4	ACCT-230 Managerial Accounting
4	BSAN-174 Data Collection and Modeling
4	BSAN-472 Data Insight and Visualization
4	ECON-201 Principles of Macroeconomics
4	ECON-202 Principles of Microeconomics
4	FINC-340 Corporate Financial Management
2	MGMT-105 Introduction to Professional Development
4	MGMT-240 Principles of Management
4	MGMT-400 Business Policy and Strategy
4	MKTG-280 Marketing

Complete at least 20 semester hours of economics, as follows:

4	ECON-311 Intermediate Macro
4	ECON-313 Intermediate Micro or ECON-315 Managerial Economics
4	ECON-499 Applied Econometrics
8	Semester hours of economics electives at the 300-level or higher

Economics (BA)

About the Program

Program Title
Economics (BA)

Degree
Bachelor of Arts

Program Code
ECON.BA

Program Description
Susquehanna University has two degree programs in economics. The Bachelor of Arts (B.A.) degree is a liberal arts degree earned in the university's School of Natural & Social Sciences. Students pursuing a Bachelor of Arts in economics choose an emphasis in financial economics, general economics, or mathematical economics. The Bachelor of Science (B.S.) degree is a more technical degree and is earned in the Sigmund Weis School of Business. It integrates extensive business administration coursework into the study of economics.

Learning Goals
- Demonstrate understanding of the concept of scarcity of resources and the opportunity cost associated with choices made.
- Demonstrate understanding of basic economic models of supply and demand, the role of prices in efficient allocation of resources, and how changes to supply and demand affect the market price and quantity of a particular good or service.
- Demonstrate understanding of how the national economy works, the role of government in the economy, and the reasons for macroeconomic policy proposals.
- Understand interactions in a global economy setting, the basis for exchange and the sources of comparative advantage that drive trade.
- Demonstrate understanding of international trade issues and the impact of appreciations and depreciations of exchange rates on different sectors of the economy.
- Understand economic data and some basic analysis methods.

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Program Requirements

Requirements
Majors complete 32 semester hours in economics with a GPA of 2.00 or better. They also complete a required course in statistics and a required course in calculus or quantitative methods. The department recommends two courses in calculus for students planning graduate study in economics. Majors must earn grades of C- or better in all required courses except ECON-201 and ECON-202.

4	ECON-201 Principles of Macroeconomics
4	ECON-202 Principles of Microeconomics
4	ECON-311 Intermediate Macroeconomics
4	Choose from:

ECON-313 Intermediate Microeconomics Theory

ECON-315 Managerial Economics

4	ECON-499 Econometrics
4	One statistics course (MGMT-202, MATH-108, MATH-180, PSYC-123)
4	One course in calculus or quantitative methods
12	12 hours of economics electives selected with faculty advisor guidance.

A maximum of 4 semester hours of ECON-503 Internship may be applied to the electives.

Mathematical Economics (BA)

About the Program

Program Title
Mathematical Economics (BA)

Degree
Bachelor of Arts

Program Code
MATHECON.BA

Program Description
Susquehanna University has two degree programs in economics. The Bachelor of Arts (B.A.) degree is a liberal arts degree earned in the university's School of Natural & Social Sciences. Students pursuing a Bachelor of Arts in economics choose an emphasis in financial economics, general economics, or mathematical economics. The Bachelor of Science (B.S.) degree is a more technical degree and is earned in the Sigmund Weis School of Business. It integrates extensive business administration coursework into the study of economics.

Learning Goals
Majors in Mathematical Economics will:

- Develop a comprehensive understanding of economic principles, including scarcity, opportunity cost, and the fundamental models of supply and demand.
- Demonstrate an understanding of the functioning of the national economy, the government's role, and macroeconomic policy rationales.
- Acquire a basic understanding of the dynamics of a global economy, including trade fundamentals, comparative advantage, and the effects of exchange rate fluctuations on various economic sectors.
- Demonstrate the ability to apply empirical economic and mathematical methods, including multivariate calculus and linear algebra, to gather, interpret and analyze economic data, and effectively communicate their results.

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

The Mathematical Economics major is a combined curriculum that incorporates mathematics, economics and statistics to allow students to develop the intellectual and quantitative skills to study questions at the intersection of these disciplines. The major is intended for students with a strong intellectual interest in both mathematics and economics. Students intending to pursue graduate studies in economics are encouraged to consider either the Mathematical Economics major or a double major in Economics and Mathematics. The Mathematical Economics major meets the classification as a STEM discipline according to the United States Citizenship and Immigration Services (USCIS) so that international students are eligible for a 24-month Optional Practical Training (OPT) extension.

Program Requirements

Requirements
Required courses for Mathematical Economics Major

Economics Core

4	ECON-201 Principles of Macroeconomics
4	ECON-202 Principles of Microeconomics
4	ECON-311 Intermediate Macroeconomics
4	ECON-313 Intermediate Microeconomics
4	ECON-499 Econometrics (Capstone)

Mathematics Core

4	CSCI-181 Principles of Computer Science
4	MATH-111 Calculus I
4	MATH-112 Calculus II
4	MATH-201 Linear Algebra
4	MATH-211 Multivariate Calculus

Economics Electives

8	300- or 400-level ECON classes

Mathematics Electives: choose 2

2	MATH-352 Numerical Analysis
4	MATH-353 Differential Equations
4	MATH-441 Mathematical Statistics

Statistics Course: choose 1

4	MATH-108 Introduction to Statistics
4	MATH-180 Statistical Methods

Economics Minor

About the Program

Program Title
Economics Minor

Program Code
MINR.ECON

Double-counting Restriction
ECON-201 and ECON-202 (or ECON-105) may double-count toward other majors or minors. Two of the three upper-level courses required for the minor may also be double-counted toward other majors or minors.

Program Requirements

Requirements
The economics minor completes ECON-201 and ECON-202 (or ECON-105 and another four- semester-hour economics course) and 12 additional semester hours in economics including either ECON-311 or ECON-313 (ECON-315 can substitute for ECON-313), or both, selected in consultation with the minor advisor. Students must complete courses applied to the minor with grades of C- or better.

Courses

ECON105 - Elements of Economics

Course Details

Subject Code
ECON

Course Number
105

Department(s)
Economics

Course Title
Elements of Economics

Course Description
Basic macro- and microeconomics principles. Discusses unemployment, inflation, resource scarcity, and consumer and business behavior under various market structures. Not open to students pursuing a major in the Sigmund Weis School of Business or pursuing an economics B.A. major. 4 SH. CC: Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

ECON201 - Principles of Macroeconomics

Course Details

Subject Code
ECON

Course Number
201

Department(s)
Economics

Course Title
Principles of Macroeconomics

Course Description
Introduces aggregate economics. Emphasizes current issues such as unemployment, inflation, stagflation, monetary and fiscal policies, and international economics. 4 SH. CC: Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

ECON202 - Principles of Microeconomics

Course Details

Subject Code
ECON

Course Number
202

Department(s)
Economics

Course Title
Principles of Microeconomics

Course Description
Introduces principles of supply and demand and how they affect levels of output, price and employment under various market structures. 4 SH. CC: Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

ECON311 - Intermediate Macroeconomics

Course Details

Subject Code
ECON

Course Number
311

Department(s)
Economics

Course Title
Intermediate Macroeconomics

Course Description
A comprehensive study of the major economic aggregates and the theories of income determination. Includes applications to contemporary public issues, such as achieving full employment, price stability and a desired rate of economic growth. Prerequisites: ECON-105 or ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON313 - Intermediate Microeconomics

Course Details

Subject Code	Course Number	Department(s)
ECON	313	Economics

Course Title
Intermediate Microeconomics

Course Description
Analyzes how consumers, businesses and suppliers of labor and other resources make their choices. Covers how individual markets for products and resources determine resource allocation, wages, prices, income distribution and levels of production. Students may earn credit for only ECON-313 or ECON-315. Prerequisites: Either a calculus course or BSAN-233 and either ECON-105, or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON315 - Managerial Economics

Course Details

Subject Code	Course Number	Department(s)
ECON	315	Economics

Course Title
Managerial Economics

Course Description
A study of the application of economic theory and methods to business and administrative decision-making processes, emphasizing the role that economic analysis plays in managerial decisions. Quantitative methods and tools - such as simple regression analysis, statistics, time series forecasting models, linear programming, and spreadsheet- packages - are introduced to assist students in gaining better insight into the methods of economic analysis and the applications of managerial economics to real-life decisions. Students may earn credit for only ECON-313 or ECON-315. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON322 - Introduction to Econometrics

Course Details

Subject Code	Course Number	Department(s)
ECON	322	Economics

Course Title
Introduction to Econometrics

Course Description
Examines the general linear regression model and its use to analyze economic data. Focuses on estimating economic models, verifying economic theories by testing alternative hypotheses, and forecasting the future of economic variables. Prerequisites: ECON-105 or both ECON-201 and ECON-202; MATH-108, MATH-180, MGMT-202, or PSYC-123. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON325 - Labor Economics

Course Details

Subject Code	Course Number	Department(s)
ECON	325	Economics

Course Title
Labor Economics

Course Description
Theoretical and empirical investigation of the functions and outcomes of labor markets. Discusses and analyzes current labor issues, trends and developments. Emphasizes how public policies, individual market characteristics of employees, firms and organized labor influence human resource allocation and compensation. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON330 - International Trade & Finance

Course Details

Subject Code	Course Number	Department(s)
ECON	330	Economics

Course Title
International Trade & Finance

Course Description
Examines contemporary and historical patterns of economic interactions and interdependence among national economies. In-depth analysis of exchange rates, capital flows and trade flows. Discusses problems of international resource transfers in the context of evolving international economic institutions. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON331 - Money and Banking

Course Details

Subject Code	Course Number	Department(s)
ECON	331	Economics

Course Title
Money and Banking

Course Description
Examines depository and non-depository financial institutions, financial markets and instruments. The Federal Reserve System's structure and role in controlling the money supply and regulating financial institutions and markets are discussed in detail. The course examines Keynesian, monetarist and new classical approaches to monetary policy and controversies concerning inflation, unemployment, economic growth, and balance of payments. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON332 - Public Finance

Course Details

Subject Code	Course Number	Department(s)
ECON	332	Economics

Course Title
Public Finance

Course Description
Examines the influence of government in a market-oriented economy. Analyzes how tax and spending policies reallocate resources, redistribute income, and affect stable economic growth. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON335 - Economic Development

Course Details

Subject Code	Course Number	Department(s)
ECON	335	Economics

Course Title
Economic Development

Course Description
Examines theories of economic growth and development. Includes in-depth discussions of problems of economic development that confront developing nations. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON338 - International Political Economy

Course Details

Subject Code	Course Number	Department(s)
ECON	338	Economics

Course Title
International Political Economy

Course Description
Examines issues of political interaction with economic forces at the national, international, and global levels. Topics studied include: economic systems, international trade and finance, the European Union, NAFTA, CAFTA, OPEC multinational corporations, economic development, poverty, inequality, and global environmental issues. Same as POLI-338. Prerequisites: Sophomore standing, ECON-105 or ECON-201, or intructor's permission. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

ECON341 - Economic Policy

Course Details

Subject Code	Course Number	Department(s)
ECON	341	Economics

Course Title
Economic Policy

Course Description
Examines theory and practice of economic policy in the contemporary open-economy environment. Includes detailed analysis of fiscal and monetary policies for the interdependent national economies. Emphasizes the relationship between deficit financing and inflation. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ECON360 - Economic History

Course Details

Subject Code	Course Number	Department(s)
ECON	360	Economics

Course Title
Economic History

Course Description
Survey of key events in world economic history. Examines the main causes and effects of historical events and explores potential lessons for the modern world. Prerequisites: ECON-105, or ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON370 - Game Theory

Course Details

Subject Code	Course Number	Department(s)
ECON	370	Economics

Course Title
Game Theory

Course Description
Analyzes the strategic interaction between parties. Normal and extensive form games will be studied, with discussions of dominant and mixed strategies, Nash Equilibrium, and incentive compatibility. This course has applications to economic decision making, industrial organization, bargaining and negotiation, and political science. Prerequisites: An introductory statistics course, ECON-202 or ECON-105, or instructor's permission. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON373 - Political Economic Thought

Course Details

Subject Code
ECON

Course Number
373

Department(s)
Economics

Course Title
Political Economic Thought

Course Description
Study the writings on political and economic issues from several different writers. The readings will be from a diverse set of writers, with views ranging from politically liberal to politically conservative. This course will examine and analyze these writers' views on social justice, tax policies, discrimination, socialism and much more. Prerequisites: ECON:105, or ECON-201 and ECON-202 or instructor's permission. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

ECON375 - Topics in Economics

Course Details

Subject Code
ECON

Course Number
375

Department(s)
Economics

Course Title
Topics in Economics

Course Description
Study of selected topics as needed, based on student and instructor interest. 1 - 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ECON441 - History of Economic Thought

Course Details

Subject Code
ECON

Course Number
441

Department(s)
Economics

Course Title
History of Economic Thought

Course Description
A survey of the development of economic ideas. Examines the parallel development of economic doctrines and industrial systems from the Middle Ages to the present. Examines implications of these doctrines for current policy issues. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON442 - Emerging Market Economies

Course Details

Subject Code
ECON

Course Number
442

Department(s)
Economics

Course Title
Emerging Market Economies

Course Description
Examines emerging market economies on both theoretical and practical bases and in historical perspective. Compares market-oriented economies arising from different socio-cultural backgrounds. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON465 - Global Financial Markets

Course Details

Subject Code
ECON

Course Number
465

Department(s)
Economics

Course Title
Global Financial Markets

Course Description
Introduces the new and intriguing world of global finance. Explores theoretical and practical reasons for international capital flows. Studies the evolution of financial liberalization on a world scale in conjunction with interest rate and exchange rate dynamics. Practically analyzes the interplay of capital inflows and domestic economic policies using examples of economic collapses of Asia, South America and Eastern Europe. Impacts of European Monetary Union and the co-integrating relationship between the major financial centers conclude the course. Prerequisites: ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ECON499 - Applied Econometrics

Course Details

Subject Code
ECON

Course Number
499

Department(s)
Economics

Course Title
Applied Econometrics

Course Description
Introduces students to the empirical research methods in economics. Students are expected to use real data in a topic chosen in consultation with the instructor and present their findings. Prerequisites: Senior standing, statistics (MGMT-202, MATH-108, MATH-180, or PSYC-123), and ECON-105 or both ECON-201 and ECON-202. 4 SH. Capstone.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

ECON500 - Seminar in Economics

Course Details

Subject Code
ECON

Course Number
500

Department(s)
Economics

Course Title
Seminar in Economics

Course Description
A course focusing on varying topics of interest to the students and the instructor. Topics may include public policies toward business, problems of manpower development, the role of population in economic development, development of various regions, or the use of mathematics in economics. Prerequisites: Senior standing, ECON-105 or both ECON-201 and ECON-202, and instructor's permission. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

ECON501 - Independent Study

Course Details

Subject Code
ECON

Course Number
501

Department(s)
Economics

Course Title
Independent Study

Course Description
Individual work on selected topics for qualified students under faculty supervision. Prerequisites: ECON-311 and ECON-313, plus four additional semester hours in economics and department head's permission. 2-4 SH.

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

ECON503 - Economics Internship

Course Details

Subject Code	Course Number	Department(s)
ECON	503	Economics

Course Title
Economics Internship

Course Description
A learning experience that cultivates a student's academic and professional development through valuable work experience and the integration of classroom-acquired knowledge by working at a public accounting firm, corporation, governmental agency, or nonprofit organization. Prerequisites: Approval by the SWSB Internship Coordinator and acceptance by the organization. Graded on an S/U basis. 2 or 4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

Education Department

Faculty

Sarah Edwards Moore, Ph.D., Associate Professor of Education, department head

Valerie A. Allison, Ph.D., Professor of Education

Leigh Ann Kurz, Ph.D., Associate Professor of Education

David S. McLaughlin, Ph.D., Associate Professor of Education, department head

Lauren Emick, Ph.D., Assistant Professor of Education

Annemieke Stassel, M.Ed., Director of Teacher Intern and Auxiliary Programs

Programs

Early Childhood Educ (preK-4) (BS)

About the Program

Program Title
Early Childhood Educ (preK-4) (BS)

Degree
Bachelor of Science

Program Code
ECED.BS

Learning Goals
- Understand how children learn and develop and can provide learning opportunities that support their intellectual, social and personal development
- Understand and use a variety of instructional strategies to encourage students' development of critical thinking, problem solving and performance skills
- Create a learning environment that encourages positive social interaction, active engagement in learning and self-motivation
- Prepare and plan instruction based on knowledge of subject matter, students, curriculum goals, and formal and informal assessment strategies
- Include every student — accommodating, adapting and/or differentiating instruction as appropriate, considering readiness, history, interests, achievement and learning styles; cultural, racial, social and ethnic affiliations; and exceptional needs and abilities
- Use effective verbal, nonverbal and media communication techniques to foster active inquiry, collaboration and supportive interactions in the classroom
- Function effectively within community-wide systems of education
- Evaluate the effects of his/her choices and actions on others (students, parents and other professionals in the learning community) through ongoing reflective practice and actively seek opportunities to grow professionally

Departmental honors requirements
Departmental honors may be awarded to Elementary Education and Special Education majors who meet the following criteria:
• Overall GPA of 3.50 and GPA of 3.50 or higher in education courses;
• Completion of early childhood education program for graduation;
• Submission of a formal application for honors to the education faculty by the second Friday of September of the senior academic year and before implementation of the research project;
• Acceptance of the application by the education faculty committee;
• Selection of an honors advisor from the education faculty;
• Development, in consultation with the selected advisor, of a proposal to execute, interpret and report on the individual research project;
• Approval by the education faculty committee of the project proposal;
• Enrollment in EDUC-601 Independent Study (1-4 semester hours);
• Completion of the research project and a public presentation of results;
• Submission of a final written report on the project to the honors advisor on or before the last day of classes for the semester of graduation; and
• Determination of honors status by the education faculty based on student performance.

Teacher Certification

The Susquehanna University Department of Education offers the following programs for teacher certification approved by the Pennsylvania Department of Education:

Early Childhood Education (PK-6) as part of the Elementary Education major

Special Education (PK-12)

Secondary (7-12) and (K-12) in areas listed below under Majors Approved for Teaching Certification

Music education (PK-12). See the music department for information about this program.

Requirements for Admission to a Teacher Certification Program

- Completion of at least 48 semester hours of coursework, including three semester hours of English composition (FYSE-100 or equivalent), three semester hours of English/American literature and six semester hours of college-level mathematics;
- Successful completion of EDUC-101 Introduction to Education and Society;
- A cumulative GPA of 3.00;
- Completion of one 40-hour externship (see below), with completed forms returned to the education department;
- Current Act 24, Act 34, Act 114, Act 126 and Act 151 clearances, and negative Tuberculosis (TB) results;
- Two reference forms completed by Susquehanna University faculty; and
- A completed application form.

Major in Elementary Education

Students taking the course of studies necessary to gain one of the Pennsylvania teaching certificates for the elementary grades will major in elementary education. This major combines courses in various disciplines with teacher education courses, including student teaching.

Early Childhood Certification

Students who enter SU's Early Childhood Education program will earn a bachelor's degree in elementary education and prepare for PK-6 certification.

Middle Grades Certification

At this time, SU does not offer a program for middle-grades certification (grades 4-8).

Secondary Certification

Students who earn certification in secondary education must major in the subject they will teach. They earn a teaching certification in grades 7-12 by completing the teacher education program, which includes student teaching in the spring semester of the senior year. Courses required for the secondary teacher education program are listed below.

The Teacher Intern Program

The Teacher Intern Program is a route to certification for those who have a bachelor's degree in an approved major. It is an option for students who do not complete certification requirements as undergraduates, including those who decide to pursue teaching late in their undergraduate program. For information about the program, contact the director of the Teacher Intern Program in the Susquehanna education department office or visit www.susqu.edu/programs/teacher-intern-program/.

4+1 Undergraduate/Graduate Enrollment.

Eligible undergraduate education majors can choose to participate in the 4+1 pathway to a Master of Education. Undergraduate education majors are eligible to take their first Master of Education course in the spring semester of their Junior year if they have a minimum of 88 completed undergraduate credits (a minimum of 100 credits the semester of the methods requirements) and a cumulative undergraduate GPA of 3.5 or higher. Students must also take a minimum of 12 undergraduate credits per semester to maintain full-time status. Graduate coursework does not count toward full time status.

Undergraduate education majors may take a maximum of 8 hours of graduate credit prior to completion of their undergraduate degree. Graduate courses may be used as substitutions to fulfill undergraduate curriculum requirements. Master's electives in Special Education and ESL (see ESL Program Specialist in the Graduate Catalog, page 6) may also satisfy undergraduate requirements counting toward Pennsylvania teacher certification, when approved by the Education Department Head. However graduate credits earned do not count towards the 124 credits required for graduation and are not included in the undergraduate GPA calculation. Instead, these credits will appear on the graduate transcript.

Eligible students will meet with the Director of Teacher Interns and Auxiliary Programs to register for 4+1 coursework. Following graduation, undergraduate students who have completed graduate coursework must still apply for and meet the regular graduate program admission requirements to be considered for admission into a graduate program.

Majors Approved for Teaching Certification

Major: Teaching Certification

Elementary: Education/Early Childhood (PreK-4)

English: English (7-12)

Creative Writing: English (7-12)

Spanish: Spanish (K-12)

French: French (K-12)

German: German (K-12)

Mathematics: Mathematics (7-12)

Music Education: Music Education (PreK-12)

Biology: Biology, General Science (7-12)

Chemistry: Chemistry, General Science (7-12)

Physics: Physics, General Science (7-12)

Biochemistry: General Science (7-12)

Psychology: Social Studies (7-12)

Sociology/Anthropology: Social Studies (7-12)

History: Citizenship Education, Social Studies (7-12)

Political Science: Citizenship Education, Social Studies (7-12)

(Some certifications, such as social studies, and some majors, such as biology, may require extra coursework because of state or university requirements.)

Certification Requirements

To qualify for teaching certification in Pennsylvania, students must complete a bachelor's degree in the appropriate major with a grade point average of 3.00 or higher. They must also complete an accredited teacher education program, such as that offered by Susquehanna University, and pass the PECT and/or Praxis tests required by the Pennsylvania Department of Education (PDE). More detailed information about these and other certification requirements is available on the PDE website www.pa.gov/agencies/education.html.

Declaring Interest in Teacher Certification

Students who wish to pursue early childhood, K-12 or secondary education certification should notify their academic advisor and the head of the education department when they make that decision. They should also inform the Office of the Registrar by completing the Declaration of Academic Program form, available in that office.

Externship

An externship consists of 40 hours in a school for observing and aiding in classrooms and other areas of the school, conducting staff interviews, etc. Applicants must complete an externship prior to admission to the education program. Externship information and forms can be obtained through students' academic advisors.

Applying to a Teacher Certification Program

The Pennsylvania Department of Education requires that education students apply and be admitted to a teacher education program before completing senior level courses and student teaching. The application packet is available through the education department's website and in the education department office in Seibert Hall. Students may apply for admission to the teacher education program as early as the spring semester of their sophomore year if all requirements have been met. Students must apply and be admitted no later than the first semester of their junior year.

Student Teaching

Student teaching usually occurs in the spring semester of the senior year. To participate in student teaching, students must already be admitted to the teacher education program. Students must also have current TB test results and clearances through Act 24, Act 34, Act 151 and Act 114. Student teachers must have completed all courses required for the major and all education courses except the student teaching block. Students should not take any additional courses during student teaching without written permission from the head of the education department.

Professional Conduct

The education department faculty reserves the right to judge students' suitability for professional teaching practice. Students are evaluated by faculty in collaboration with cooperating teachers and building administrators to ensure they meet state certification requirements and maintain the integrity of the university's education programs. Practicum students (those in the schools observing and/or aiding a teacher) and student teachers must follow the policies of the university's education department and the host school district. Students not meeting expectations for professional behavior as specified by the Pennsylvania Code of Professional Practice and Conduct for Educators may be removed from a school site.

Education Honor Society

Susquehanna University has a chapter of the international education honor society, Kappa Delta Pi. Education students with a GPA of 3.40 or higher who qualify for admittance to the teacher education program will be invited to apply for membership.

Education Course Requirements

Please note: Elementary and Secondary Education students are required to include the following courses in their certification program:

EDUC-260 Introduction to Special Education (4 SH) EDUC-270 Instruction of Exceptional Students (4 SH)

EDUC-350 English Language Learners: Theory and Instruction (4 SH)

The exception to this rule is that music education students must follow requirements of the music education curriculum, which may allocate this content to different courses. EDUC-290 will be taken in place of EDUC-270 by Special Education students.

Program Requirements

Requirements

Early Childhood (PreK-4) Course Requirements

Candidates for an early childhood (preK-4) teaching certificate must complete university Central Curriculum requirements plus the following required courses for a Bachelor of Science in elementary education:

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics (100-level or higher)

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

66 Education courses (taken before student teaching):

2 EDUC-101 Introduction to Education and Society

4 EDUC-240 Cognition and Classroom Learning: Early Childhood

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-280 Development and Learning

4 EDUC-300 Arts in Education

4 EDUC-310 Math Methods I

4 EDUC-311 Math Methods II

4 EDUC-330 Technology in Education

4 EDUC-350 English Language Learners: Theory and Instruction

4 EDUC-366 Teaching the Science of Reading

4 EDUC-367 Literacy Assessment and Interventions

4 EDUC-380 Instructional Design

2 EDUC-389 Assessment

4 EDUC-400 Social Studies Methods: Early Childhood

2 EDUC-410 Family and Community

4 EDUC-430 Science Methods: Early Childhood

4 EDUC-490 Pedagogy and Classroom Environment

12 Cognate courses (some may also satisfy university Central Curriculum requirements):

4 PSYC-101 Principles of Psychology

4 United States History (HIST-111, HIST-112 or HIST-115)

4 INTD-320 The Sciences

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester without written permission from the head of the Department of Education:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Studies in Early Education (BA)

About the Program

Program Title
Studies in Early Education (BA)

Degree
Bachelor of Arts

Program Code
EDST.BA

Program Description
The Studies in Early Education major is designed for students who have an interest in early childhood education, the development of young learners, and the structures of instruction and schools. With a degree in Studies in Early Education, graduates have the credentials and experiences for employment in education settings where teacher certification is not required, such as non-traditional and private schools and preschools, youth camps, children's museums, and educational consulting organizations. Holders of the degree may be eligible for admission into education graduate and teacher intern programs. In combination with a minor or major in Psychology, the degree is a path toward graduate studies in school counseling. The Studies in Early Education major includes many but not all the components for eligibility for the Pennsylvania PreK-4 teacher certification. As second semester sophomores or first semester juniors, students in the Studies in Early Education major may make application to the Early Childhood Education major that includes all the criteria for teacher certification articulated by the Pennsylvania Department of Education. All courses for the Studies in Early Education major, with the exception of EDUC-530 Education Policy, are requirements of the Early Childhood Education major.

Learning Goals
- Understand how children learn and develop and can provide learning opportunities that support their intellectual, social and personal development
- Understand and use a variety of instructional strategies to encourage students' development of critical thinking, problem solving and performance skills
- Create a learning environment that encourages positive social interaction, active engagement in learning and self-motivation
- Prepare and plan instruction based on knowledge of subject matter, students, curriculum goals, and formal and informal assessment strategies
- Include every student — accommodating, adapting and/or differentiating instruction as appropriate, considering readiness, history, interests, achievement and learning styles; cultural, racial, social and ethnic affiliations; and exceptional needs and abilities
- Use effective verbal, nonverbal and media communication techniques to foster active inquiry, collaboration and supportive interactions in the classroom
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• Completion of early childhood education program for graduation;
• Submission of a formal application for honors to the education faculty by the second Friday of September of the senior academic year and before implementation of the research project;
• Acceptance of the application by the education faculty committee;

• Selection of an honors advisor from the education faculty;
• Development, in consultation with the selected advisor, of a proposal to execute, interpret and report on the individual research project;
• Approval by the education faculty committee of the project proposal;
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- A cumulative GPA of 3.00;
- Completion of one 40-hour externship (see below), with completed forms returned to the education department;
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Major in Elementary Education

Students taking the course of studies necessary to gain one of the Pennsylvania teaching certificates for the elementary grades will major in elementary education. This major combines courses in various disciplines with teacher education courses, including student teaching.

Early Childhood Certification

Students who enter SU's Early Childhood Education program will earn a bachelor's degree in elementary education and prepare for PK-6 certification.

Middle Grades Certification

At this time, SU does not offer a program for middle-grades certification (grades 4-8).

Secondary Certification

Students who earn certification in secondary education must major in the subject they will teach. They earn a teaching certification in grades 7-12 by completing the teacher education program, which includes student teaching in the spring semester of the senior year. Courses required for the secondary teacher education program are listed below.

The Teacher Intern Program

The Teacher Intern Program is a route to certification for those who have a bachelor's degree in an approved major. It is an option for students who do not complete certification requirements as undergraduates, including those who decide to pursue teaching late in their undergraduate program. For information about the program, contact the director of the Teacher Intern Program in the Susquehanna education department office or visit www.susqu.edu/programs/teacher-intern-program/.

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Majors Approved for Teaching Certification

Major: Teaching Certification

Elementary: Education/Early Childhood (PreK-4)

English: English (7-12)

Creative Writing: English (7-12)

Spanish: Spanish (K-12)

French: French (K-12)

German: German (K-12)

Mathematics: Mathematics (7-12)

Music Education: Music Education (PreK-12)

Biology: Biology, General Science (7-12)

Chemistry: Chemistry, General Science (7-12)

Physics: Physics, General Science (7-12)

Biochemistry: General Science (7-12)

Psychology: Social Studies (7-12)

Sociology/Anthropology: Social Studies (7-12)

History: Citizenship Education, Social Studies (7-12)

Political Science: Citizenship Education, Social Studies (7-12)

(Some certifications, such as social studies, and some majors, such as biology, may require extra coursework because of state or university requirements.)

Certification Requirements

To qualify for teaching certification in Pennsylvania, students must complete a bachelor's degree in the appropriate major with a grade point average of 3.00 or higher. They must also complete an accredited teacher education program, such as that offered by Susquehanna University, and pass the PECT and/or Praxis tests required by the Pennsylvania Department of Education (PDE). More detailed information about these and other certification requirements is available on the PDE website www.pa.gov/agencies/education.html.

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Externship

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Student Teaching

Student teaching usually occurs in the spring semester of the senior year. To participate in student teaching, students must already be admitted to the teacher education program. Students must also have current TB test results and clearances through Act 24, Act 34, Act 151 and Act 114. Student teachers must have completed all courses required for the major and all education courses except the student teaching block. Students should not take any additional courses during student teaching without written permission from the head of the education department.

Professional Conduct

The education department faculty reserves the right to judge students' suitability for professional teaching practice. Students are evaluated by faculty in collaboration with cooperating teachers and building administrators to ensure they meet state certification requirements and maintain the integrity of the university's education programs. Practicum students (those in the schools observing and/or aiding a teacher) and student teachers must follow the policies of the university's education department and the host school district. Students not meeting expectations for professional behavior as specified by the Pennsylvania Code of Professional Practice and Conduct for Educators may be removed from a school site.

Education Honor Society

Susquehanna University has a chapter of the international education honor society, Kappa Delta Pi. Education students with a GPA of 3.40 or higher who qualify for admittance to the teacher education program will be invited to apply for membership.

Education Course Requirements

Please note: Elementary and Secondary Education students are required to include the following courses in their certification program:

EDUC-260 Introduction to Special Education (4 SH) EDUC-270 Instruction of Exceptional Students (4 SH)

EDUC-350 English Language Learners: Theory and Instruction (4 SH)

The exception to this rule is that music education students must follow requirements of the music education curriculum, which may allocate this content to different courses. EDUC-290 will be taken in place of EDUC-270 by Special Education students.

Program Requirements

Requirements

Students in the Studies in Early Education (B.A.) major must complete the 38 semester hours in required courses with grades of C- or better.

2	EDUC-101 Introduction to Education and Society
4	EDUC-240 Cognition and Classroom Learning: Early Childhood
4	EDUC-260 Introduction to Special Education
4	EDUC-280 Development and Learning
2	EDUC-330 Technology in Education
4	EDUC-310 Math Methods I
4	EDUC-350 English Language Learners: Theory and Instruction
2	EDUC-380 Instructional Design
4	INTD-320 The Sciences
4	PSYC-101 Principles of Psychology
4	EDUC-530 Education Policy

* In addition to the coursework outlined above, students must complete a 40-hour education related externship.

ESL Program Specialist Minor

About the Program

Program Title

ESL Program Specialist Minor

Program Code

MINR.ESL

Program Requirements

Requirements

This four-course program consisting of EDUC-440/740, EDUC-441/741, EDUC-442/742, and EDUC 443/743 (or LANG-360 or PSYC-348), is only open to students enrolled in an Education program (e.g., Early childhood, Special Education, Secondary or Music Education). EDUC-350 should be taken first and the remaining coursework can be completed in any order beginning in spring of sophomore year. Course numbers beginning with "7" indicate the 4+1 master's level option for eligible undergraduates. Upon successful completion of the courses and their integrated field experiences (60 hours), teacher candidates will be eligible for the dual certification and potential employment as ESL Program Specialists in PreK-12 settings. The ESL program prepares teachers to address the learning needs of English Language Learners (ELLs) in inclusive settings, as well as coach and support classroom teachers who are not similarly trained but have ELLs in their classrooms. Students must submit a program application available through the Education Department in order to enroll in ESL certification courses.

Curriculum and Instruction (MEd)

About the Program

Program Title
Curriculum and Instruction (MEd)

Degree
Master of Education

Program Code
MSED.ME

Program Description
The Master of Education degree program requires analysis and evaluation of curriculum design and application of educational theory to strengthen teaching practices. The program has two main concentrations: Fundamental curricular aspects of teaching and learning that pervade PreK-12 education, and individual pedagogical developments that relate to the student's certification level and core content area(s).

The Master of Education degree program will enhance the conceptual and practical knowledge of professional teachers responsible for creating environments for learning to flourish. The program will provide an opportunity for students to deepen their understanding of fundamental teaching and learning concepts and prepare them for various roles in educational settings. Students will analyze and interpret educational research and apply these results to enhance teacher planning, instruction, and assessment for student learning. Program graduates will possess the foundational skills and knowledge necessary to enroll in educational specialist and doctoral programs.

Learning Goals
- Theoretical/foundational
    - Demonstrate knowledge of prevalent cognitive, linguistic, motivational, and sociocultural theories of educational development.
    - Demonstrate an understanding of the historical development of the teaching profession and track changes of perception and interpretation over time.
- Content knowledge and pedagogical knowledge
    - Demonstrate content knowledge and pedagogical knowledge keeping in alignment with the standards articulated by InTASC (Interstate teacher Assessment and Support Consortium).
- Professional disposition and ethical behavior
    - Demonstrate an understanding of the professional code of ethics in education and specific content areas and the consequences of violating those principles.
    - Demonstrate an understanding of the values of differences in our society and how to develop and implement strategies to advocate for equity and justice.
- Reflective practice
    - Demonstrate an understanding of the value of personal reflection in evaluating the effects of pedagogical actions on other stakeholders within a learning community.

Requirements for Admission to the Master of Education Degree Program in Curriculum & Instruction

- A completed application
- Hold a bachelor’s degree from a nationally accredited institute of higher education
- Minimum 3.0 GPA on highest earned degree
- Three letters of recommendation
- Official transcripts from all previously attended postsecondary institutions
- Written statement of purpose for enrollment
- Current TB test results and Act 24, Act 34, Act 114, Act 126, and Act 151 clearances
- Test of English as a Foreign Language (TOEFL) scores for applicants who have not earned a degree at an institution of higher education where English is the language of instruction

Teacher Certification

The Master of Education program does not include teacher certification. However, individuals already licensed to teach in Pennsylvania can add the following endorsement to their existing certificates:

- English as a Second Language (ESL) Program Specialist (Grades K-12)

English as a Second Language (ESL) Program Specialist certification can be added to any grade level certification.

Candidates interested in initial teacher certifications should apply to Susquehanna’s Teacher Intern Program. Some coursework can overlap with the Master of Education.

Professional Conduct

The education department faculty reserves the right to judge students' suitability for professional teaching practice. Students are evaluated by faculty in collaboration with cooperating teachers and building administrators to ensure they meet state certification requirements and maintain the integrity of the university's education programs. Practicum students (those in the schools observing and/or aiding a teacher) and student teachers must follow the policies of the university's education department and the host school district. Students not meeting expectations for professional behavior as specified by the Pennsylvania Code of Professional Practice and Conduct for Educators may be removed from a school site.

Program Requirements

Requirements
Curriculum and Instruction. Candidates must complete 34 credit hours from the following requirements for a Master of Education degree in Curriculum and Instruction:

6 Required courses

4 EDUC-712 Research Methods

2 EDUC-799 Master’s Paper

12 Choose a minimum of 3 courses from the following core courses

4 EDUC-710 Social Foundations of Education

4 EDUC-711 Curriculum Design

4 EDUC-750 Critical Media Literacy in the K-12 Classroom

4 EDUC-755 Inclusive Classroom Strategies

4 EDUC-760 Critical Literature and Trends in Education

16 Select a minimum of 4 courses from the following electives (choose any combination of courses from these categories):*

Courses leading to K-12 ESL Program Specialist Certification**

4 EDUC-740 ELL Language and Literacy Development

4 EDUC-741 Diversity, Politics, and Social Factors for ELLs and in Education

4 EDUC-742 ESL Curriculum Design and Teaching Methods

4 EDUC-743 Understanding Second Language Acquisition for Educators

Special Education Courses

4 EDUC-715 Assessment in Special and Inclusive Education

4 EDUC-720 Teaching Students with Moderate and Severe Disabilities

4 EDUC-725 Teaching Students with Mild Disabilities

4 EDUC-745 Behavior Interventions

Other Electives

4 EDUC 780 Topics in Education

*Students may also select additional courses from the core requirements listed above

**Students who complete all 4 courses listed in this category are eligible for add-on ESL Specialist Certification

Capstone Course

Students must complete the Master's Paper capstone course with a grade of B or higher, as a part of the program. The capstone is designed to enrich students' academic experience by allowing them to demonstrate what has been learned through a concentrated course of study at Susquehanna. This course cannot be transferred from another institution.

Special Education PreK-12 (BS)

About the Program

Program Title
Special Education PreK-12 (BS)

Degree
Bachelor of Science

Program Code
SPED.BS

Program Description
The B.S. Special Education PK-12 program is designed for students who have an interest in teaching special education across the PK-12 continuum. Candidates will demonstrate knowledge and competencies in the areas of academic, behavioral, social, and emotional growth, and methods to maximize a student's capabilities. Utilizing research-based effective instructional strategies and diagnostic tools, candidates will develop a thorough understanding of child and adolescent development and appropriate diagnostic and instructionally adaptive strategies for all learners, as well as competence in applying appropriate instructional practices to meet the diverse needs of all early, middle level, and high school level students. In addition to the B.S. degree, this program makes students eligible for the Special Education Grades PK-12 certificate in Pennsylvania, acknowledging that candidates have the skills, knowledge, and competencies necessary for meeting the needs of students with disabilities in multiple settings.

Learning Goals
- Understand how children learn and develop and can provide learning opportunities that support their intellectual, social and personal development
- Understand and use a variety of instructional strategies to encourage students' development of critical thinking, problem solving and performance skills
- Create a learning environment that encourages positive social interaction, active engagement in learning and self-motivation
- Prepare and plan instruction based on knowledge of subject matter, students, curriculum goals, and formal and informal assessment strategies
- Include every student — accommodating, adapting and/or differentiating instruction as appropriate, considering readiness, history, interests, achievement and learning styles; cultural, racial, social and ethnic affiliations; and exceptional needs and abilities
- Use effective verbal, nonverbal and media communication techniques to foster active inquiry, collaboration and supportive interactions in the classroom
- Function effectively within community-wide systems of education
- Evaluate the effects of his/her choices and actions on others (students, parents and other professionals in the learning community) through ongoing reflective practice and actively seek opportunities to grow professionally

Departmental honors requirements
Departmental honors may be awarded to Elementary Education and Special Education majors who meet the following criteria:
• Overall GPA of 3.50 and GPA of 3.50 or higher in education courses;
• Completion of early childhood education program for graduation;
• Submission of a formal application for honors to the education faculty by the second Friday of September of the senior academic year and before implementation of the research project;
• Acceptance of the application by the education faculty committee;
• Selection of an honors advisor from the education faculty;
• Development, in consultation with the selected advisor, of a proposal to execute, interpret and report on the individual research project;
• Approval by the education faculty committee of the project proposal;

• Enrollment in EDUC-601 Independent Study (1-4 semester hours);
• Completion of the research project and a public presentation of results;
• Submission of a final written report on the project to the honors advisor on or before the last day of classes for the semester of graduation; and
• Determination of honors status by the education faculty based on student performance.

Teacher Certification

The Susquehanna University Department of Education offers the following programs for teacher certification approved by the Pennsylvania Department of Education:

Early Childhood Education (PK-6) as part of the Elementary Education major

Special Education (PK-12)

Secondary (7-12) and (K-12) in areas listed below under Majors Approved for Teaching Certification

Music education (PK-12). See the music department for information about this program.

Requirements for Admission to a Teacher Certification Program

- Completion of at least 48 semester hours of coursework, including three semester hours of English composition (FYSE-100 or equivalent), three semester hours of English/American literature and six semester hours of college-level mathematics;
- Successful completion of EDUC-101 Introduction to Education and Society;
- A cumulative GPA of 3.00;
- Completion of one 40-hour externship (see below), with completed forms returned to the education department;
- Current Act 24, Act 34, Act 114, Act 126 and Act 151 clearances, and negative Tuberculosis (TB) results;
- Two reference forms completed by Susquehanna University faculty; and
- A completed application form.

Major in Elementary Education

Students taking the course of studies necessary to gain one of the Pennsylvania teaching certificates for the elementary grades will major in elementary education. This major combines courses in various disciplines with teacher education courses, including student teaching.

Early Childhood Certification

Students who enter SU's Early Childhood Education program will earn a bachelor's degree in elementary education and prepare for PK-6 certification.

Middle Grades Certification

At this time, SU does not offer a program for middle-grades certification (grades 4-8).

Secondary Certification

Students who earn certification in secondary education must major in the subject they will teach. They earn a teaching certification in grades 7-12 by completing the teacher education program, which includes student teaching in the spring semester of the senior year. Courses required for the secondary teacher education program are listed below.

The Teacher Intern Program

The Teacher Intern Program is a route to certification for those who have a bachelor's degree in an approved major. It is an option for students who do not complete certification requirements as undergraduates, including those who decide to pursue teaching late in their undergraduate program. For information about the program, contact the director of the Teacher Intern Program in the Susquehanna education department office or visit www.susqu.edu/programs/teacher-intern-program/.

4+1 Undergraduate/Graduate Enrollment.

Eligible undergraduate education majors can choose to participate in the 4+1 pathway to a Master of Education. Undergraduate education majors are eligible to take their first Master of Education course in the spring semester of their Junior year if they have a minimum of 88 completed undergraduate credits (a minimum of 100 credits the semester of the methods requirements) and a cumulative undergraduate GPA of 3.5 or higher. Students must also take a minimum of 12 undergraduate credits per semester to maintain full-time status. Graduate coursework does not count toward full time status.

Undergraduate education majors may take a maximum of 8 hours of graduate credit prior to completion of their undergraduate degree. Graduate courses may be used as substitutions to fulfill undergraduate curriculum requirements. Master's electives in Special Education and ESL (see ESL Program Specialist in the Graduate Catalog, page 6) may also satisfy undergraduate requirements counting toward Pennsylvania teacher certification, when approved by the Education Department Head. However graduate credits earned do not count towards the 124 credits required for graduation and are not included in the undergraduate GPA calculation. Instead, these credits will appear on the graduate transcript.

Eligible students will meet with the Director of Teacher Interns and Auxiliary Programs to register for 4+1 coursework. Following graduation, undergraduate students who have completed graduate coursework must still apply for and meet the regular graduate program admission requirements to be considered for admission into a graduate program.

Majors Approved for Teaching Certification

Major: Teaching Certification

Elementary: Education/Early Childhood (PreK-4)

English: English (7-12)

Creative Writing: English (7-12)

Spanish: Spanish (K-12)

French: French (K-12)

German: German (K-12)

Mathematics: Mathematics (7-12)

Music Education: Music Education (PreK-12)

Biology: Biology, General Science (7-12)

Chemistry: Chemistry, General Science (7-12)

Physics: Physics, General Science (7-12)

Biochemistry: General Science (7-12)

Psychology: Social Studies (7-12)

Sociology/Anthropology: Social Studies (7-12)

History: Citizenship Education, Social Studies (7-12)

Political Science: Citizenship Education, Social Studies (7-12)

(Some certifications, such as social studies, and some majors, such as biology, may require extra coursework because of state or university requirements.)

Certification Requirements

To qualify for teaching certification in Pennsylvania, students must complete a bachelor's degree in the appropriate major with a grade point average of 3.00 or higher. They must also complete an accredited teacher education program, such as that offered by Susquehanna University, and pass the PECT and/or Praxis

tests required by the Pennsylvania Department of Education (PDE). More detailed information about these and other certification requirements is available on the PDE website www.pa.gov/agencies/education.html.

Declaring Interest in Teacher Certification

Students who wish to pursue early childhood, K-12 or secondary education certification should notify their academic advisor and the head of the education department when they make that decision. They should also inform the Office of the Registrar by completing the Declaration of Academic Program form, available in that office.

Externship

An externship consists of 40 hours in a school for observing and aiding in classrooms and other areas of the school, conducting staff interviews, etc. Applicants must complete an externship prior to admission to the education program. Externship information and forms can be obtained through students' academic advisors.

Applying to a Teacher Certification Program

The Pennsylvania Department of Education requires that education students apply and be admitted to a teacher education program before completing senior level courses and student teaching. The application packet is available through the education department's website and in the education department office in Seibert Hall. Students may apply for admission to the teacher education program as early as the spring semester of their sophomore year if all requirements have been met. Students must apply and be admitted no later than the first semester of their junior year.

Student Teaching

Student teaching usually occurs in the spring semester of the senior year. To participate in student teaching, students must already be admitted to the teacher education program. Students must also have current TB test results and clearances through Act 24, Act 34, Act 151 and Act 114. Student teachers must have completed all courses required for the major and all education courses except the student teaching block. Students should not take any additional courses during student teaching without written permission from the head of the education department.

Professional Conduct

The education department faculty reserves the right to judge students' suitability for professional teaching practice. Students are evaluated by faculty in collaboration with cooperating teachers and building administrators to ensure they meet state certification requirements and maintain the integrity of the university's education programs. Practicum students (those in the schools observing and/or aiding a teacher) and student teachers must follow the policies of the university's education department and the host school district. Students not meeting expectations for professional behavior as specified by the Pennsylvania Code of Professional Practice and Conduct for Educators may be removed from a school site.

Education Honor Society

Susquehanna University has a chapter of the international education honor society, Kappa Delta Pi. Education students with a GPA of 3.40 or higher who qualify for admittance to the teacher education program will be invited to apply for membership.

Education Course Requirements

Please note: Elementary and Secondary Education students are required to include the following courses in their certification program:

EDUC-260 Introduction to Special Education (4 SH) EDUC-270 Instruction of Exceptional Students (4 SH)

EDUC-350 English Language Learners: Theory and Instruction (4 SH)

The exception to this rule is that music education students must follow requirements of the music education curriculum, which may allocate this content to different courses. EDUC-290 will be taken in place of EDUC-270 by Special Education students.

Program Requirements

Requirements

Please note: All education students seeking PDE certification are required to include the following courses in their certification program:

EDUC-260 Introduction to Special Education (4 SH)

EDUC-290 Teaching Students with Mild Disabilities (Special Education majors only) or EDUC 270 Instruction of Exceptional Children (4 SH)

EDUC-350 English Language Learners: Theory and Instruction (4 SH)

Special Education Course Requirements

Candidates for the Special Education PK-12 teaching certificate must complete university Central Curriculum requirements plus the following required courses for a Bachelor of Science in Special Education:

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics (100-level or higher)

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

66 Education courses taken by Special Education majors before student teaching

2 EDUC-101 Introduction to Education and Society

4 EDUC-240 Cognition and Classroom Learning: Early Childhood
OR EDUC-250 Educational Psychology: Secondary

4 EDUC-260 Introduction to Special Education

4 EDUC-280 Development and Learning

4 EDUC-290 Teaching Students with Mild Disabilities

4 EDUC-310 Math Methods I

4 EDUC-311 Math Methods II

4 EDUC-320 Teaching Students with Moderate & Severe Disabilities

4 EDUC-330 Technology in Education

4 EDUC-340 Behavioral Interventions

4 EDUC-350 English Language Learners: Theory and Instruction

4 EDUC-366 Teaching the Science of Reading

4 EDUC-367 Literacy Assessment and Interventions

2 EDUC-380 Instructional Design

4 EDUC-415 Assessment in Special Ed

4 EDUC-400 Social Studies Methods: Early Childhood

4 EDUC-430 Science Methods: Early Childhood

4 EDUC-490 Pedagogy and Classroom Environment

16 **Cognate courses** (some may also satisfy university Central Curriculum requirements):

4 PSYC-101 Principles of Psychology

4 INTD-320 The Sciences

4 (HIST-111, HIST-112 or HIST-115) United States History

14 **Student teaching courses** (taken during the spring semester of the senior year; students may not enroll in other courses during this semester without written permission from the head of the Education Department):

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Courses

EDUC101 - Introduction to Education & Society

Course Details

Subject Code	Course Number	Department(s)
EDUC	101	Education

Course Title
Introduction to Education & Society

Course Description
Introductory study of education. Emphasizes teaching as a profession and current educational practice. Requires school-based practicum. This course requires the submission of PA Dept of Education clearances. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC160 - Intro to Exceptionalities

Course Details

Subject Code	Course Number	Department(s)
EDUC	160	Education

Course Title
Intro to Exceptionalities

Course Description
This education course is for non-education majors. This elective course prepares students to understand the diverse needs of individuals with exceptionalities. Typical and neurotypical patterns of development are examined to provide an understanding of the 13 categories of exceptionality as defined by the Individuals with Disabilities Education Act (IDEA) and the Pennsylvania standards governing special education. Course topics include, but are not limited to: (a) the various disability categories and corresponding characteristics, effective practices and approaches to support the needs of these individuals; (b) legal, ethical and professional responsibilities of individuals and teachers working with children with disabilities, including those with multicultural and multilingual backgrounds; (c) perceptions of individuals with disabilities, (d) inclusion and inclusive practices; and (e) an exploration of career options in the field of special education. 4 SH. Prerequisite: none. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

EDUC205 - Topics in Education

Course Details

Subject Code
EDUC

Course Number
205

Department(s)
Education

Course Title
Topics in Education

Course Description
Studies of current and past issues in education. Topics vary according to instructor preference. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

EDUC240 - Cognition & Classroom Learning

Course Details

Subject Code
EDUC

Course Number
240

Department(s)
Education

Course Title
Cognition & Classroom Learning

Course Description
An overview of educational principles, theories and strategies that positively influence student development and learning focusing on early childhood through middle school ages. Approaches to teaching and learning are based on the understanding of children as individuals and as members of a group. Includes required school-based field experiences. EDUC-240 focuses on the development of young children and is a required course for Early Childhood Education majors. Special Education majors may take either EDUC-240 or EDUC-250 depending on their interests, with the latter course focusing on adolescents. Secondary Education majors should enroll in EDUC-250, not EDUC-240. Prerequisite: EDUC-101. 4 SH. CC: Social Interactions, Writing Intensive.

Course Types
Standard (STAND), Social Interactions (SOCIN), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

EDUC250 - Educational Psychology

Course Details

Subject Code
EDUC

Course Number
250

Department(s)
Education

Course Title
Educational Psychology

Course Description
An overview of psychological and educational principles as they apply to the classroom. Topics include instructional planning, developmental characteristics of students and learning theories. Also covers evaluation, discipline, and classroom management. EDUC-250 focuses on the development of adolescents and is a required course for Secondary Education majors. Special Education majors may take either EDUC-250 or EDUC-240 depending on their interests, with the latter course focusing on young children. Early Childhood Education majors should not enroll in EDUC-250. Prerequisite: EDUC-101 or MUED-200. 4 SH. CC: Social Interactions, Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

EDUC260 - Introduction to Special Education

Course Details

Subject Code
EDUC

Course Number
260

Department(s)
Education

Course Title
Introduction to Special Education

Course Description
An overview of the needs of students with disabilities in multiple settings, examining both typical and atypical development, as well as all major areas of exceptionality and instructional strategies that support student success in inclusive classrooms. Additionally, legal, ethical, and professional responsibilities of teachers working with children with disabilities, including those with multicultural and multilingual backgrounds are emphasized. Includes required special education school-based field experiences. Pre-requisites: EDUC-101. 4 SH. CC: Diversity Intensive.

Course Types
Diversity Intensive (INDIV), Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC270 - Instruction of Exceptional Students

Course Details

Subject Code	Course Number	Department(s)
EDUC	270	Education

Course Title
Instruction of Exceptional Students

Course Description
Explores methods of designing and delivering effective instruction for individuals with special learning requirements. Prerequisites: EDUC-260 and either EDUC-240 or EDUC-250. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC280 - Development and Learning

Course Details

Subject Code	Course Number	Department(s)
EDUC	280	Education

Course Title
Development and Learning

Course Description
This course focuses on child development for children in pre-kindergarten through grade 4 and the ways in which child development interacts with teaching and learning. Particular attention will be paid to developmentally appropriate practices and the role of play as a teaching medium. Research-based teaching strategies will be highlighted. Students will demonstrate their in-depth understanding and analyses of concepts and constructs applied to important issues that have implications for the home, school, and community. This is a course with additional field experiences at early childhood sites. All Education Department clearances must be obtained by the beginning of this course. Prerequisite: EDUC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC290 - Teaching Students With Mild Disabilities

Course Details

Subject Code	Course Number	Department(s)
EDUC	290	Education

Course Title
Teaching Students With Mild Disabilities

Course Description
This course emphasizes experiential learning and builds upon students' understanding of the diverse needs of children who are struggling and those with identified mild disabilities, particularly in terms of research-based approaches to provide effective instruction in inclusive and special education classrooms. Students will specifically learn how to develop and implement appropriate and individualized standards-aligned instruction for learners who have Individualized Education Plans (IEPs). Students will identify and implement research-based learning/teaching strategies to promote learners' progress (focusing on both those with high incidence disabilities) as well as a range of ways in which to differentiate instruction and implement universal design for learning principles to meet individual needs in all content areas. Only available to students accepted into the Special Education (PreK-8) Dual Certification program.

Prerequisites: Sophomore class standing and successful completion of EDUC 240 and EDUC 260. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC300A - Arts in Education: Art

Course Details

Subject Code	Course Number	Department(s)
EDUC	300A	Education

Course Title
Arts in Education: Art

Course Description
With EDUC-300M, basic music and art fundamentals, methods of music and art instruction in elementary classrooms, and strategies for integrating music and art into the teaching of other elementary subjects, taught as two separate 2SH sections (EDUC-300A and EDUC-300M). Students must complete both EDUC-300A and EDUC-300M to fulfill the Artistic Expressions requirement. Prerequisites: Sophomore standing and EDUC-101. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
2

EDUC300M - Arts in Education: Music

Course Details

Subject Code	Course Number	Department(s)
EDUC	300M	Education

Course Title
Arts in Education: Music

Course Description
With EDUC-300A, basic music and art fundamentals, methods of music and art instruction in elementary classrooms, and strategies for integrating music and art into the teaching of other elementary subjects, taught as two separate 2SH sections (EDUC-300A and EDUC-300M). Students must complete both EDUC-300A and EDUC-300M to fulfill the Artistic Expressions requirement. Prerequisites: Sophomore standing and EDUC-101. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
2

EDUC310 - Math Methods I

Course Details

Subject Code	Course Number	Department(s)
EDUC	310	Education

Course Title
Math Methods I

Course Description
Methods of developing instructional strategies beginning with preschool-aged children and including numbers and operations, algebraic concepts, geometry and measurement, and data analysis and probability. This course will focus on developing conceptual understanding of math skills using hands-on and virtual manipulatives and using research-based instructional strategies. This knowledge will be applied in field experiences. Prerequisites: EDUC-101. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC311 - Math Methods II

Course Details

Subject Code	Course Number	Department(s)
EDUC	311	Education

Course Title
Math Methods II

Course Description
Methods of developing instructional strategies in all strands of the mathematics curriculum beginning with early elementary-aged children. Topics include numbers and operations, algebraic concepts, geometry and measurement, and data analysis and probability. This course will focus on developing conceptual understanding of math skills using hands-on and virtual manipulatives and using research-based instructional strategies. This knowledge will be applied in field experiences. Prerequisites: EDUC-310 and admission to a teacher education program. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC320 - Teaching Students W Mod & Severe Disabil

Course Details

Subject Code	Course Number	Department(s)
EDUC	320	Education

Course Title
Teaching Students W Mod & Severe Disabil

Course Description
This required course will address knowledge and skills educators need to plan individualized programs for students with moderate and severe disabilities, including those with physical and cognitive impairments as well as autism. Emphasis will be on teaching and supporting students within both special education and regular classes/typical school activities, based on a vision of adult participation in typical community activities and settings. Associated topics of discussion include learning characteristics of students with moderate and severe disabilities, program planning and IEP development, assessment and instructional planning in foundation skills, communication, assistive technology, supporting participation and progress in the general education curriculum, social skills and facilitating peer relationships, and transition planning. Only available to students accepted into the Special Education (PreK-8) Dual Certification program.

Prerequisites: Sophomore class standing and successful completion of EDUC 240 and EDUC 260. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC330 - Technology in Education

Course Details

Subject Code	Course Number	Department(s)
EDUC	330	Education

Course Title
Technology in Education

Course Description
The theory and practice of using educational technology in the classroom. Includes practice with computers, multimedia and telecommunications. Prerequisite: EDUC-101. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC340 - Behavior Interventions

Course Details

Subject Code	Course Number	Department(s)
EDUC	340	Education

Course Title
Behavior Interventions

Course Description
This course will focus on having students develop a foundational understanding of behavior modification principles and classroom management strategies in order to be able to most effectively teach any type of student in an inclusive setting. Special attention will be given to individuals with emotional and behavior disorders and a variety of techniques for implementing specific behavior intervention strategies at the school-wide and classroom levels will be discussed in addition to appropriate assessment procedures and behavior plan writing. Students will also learn evidence-based methods for providing academic instruction in core content areas for this population of students. Only available to students accepted into the Special Education (PreK-8) Dual Certification program.

Prerequisites: Sophomore class standing and successful completion of EDUC 240 and EDUC 260. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC350 - English Language Learners

Course Details

Subject Code	Course Number	Department(s)
EDUC	350	Education

Course Title
English Language Learners

Course Description
Using knowledge of language systems, language acquisition and sociocultural influences on learning and communication to design instruction and assessment for students whose home language is not English. Includes field experiences. Prerequisites: Either MUED-200 or EDUC-101. 4 SH. CC: Diversity

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

EDUC365 - Preschool Language & Literacy

Course Details

Subject Code	Course Number	Department(s)
EDUC	365	Education

Course Title
Preschool Language & Literacy

Course Description
An overview of research on and theories of young children's language development and methods of assessing and guiding the development of language skills in very young children, including skills that facilitate later learning of reading and writing. Includes field experiences at early childhood sites. Prerequisites: EDUC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC366 - Teaching the Science of Reading

Course Details

Subject Code	Course Number	Department(s)
EDUC	366	Education

Course Title
Teaching the Science of Reading

Course Description
This course will present a balanced, comprehensive program of scientifically-based research instruction in reading, writing, and related language arts. emphasizing the teaching of phonemic awareness, phonics, fluency, vocabulary development, and comprehension strategies for all students in Prekindergarten through Grade 4, including students with varied reading levels and language backgrounds. This course includes required field experiences in schools. Prerequisite: Either EDUC-280 or EDUC-365. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC367 - Literacy Assessment & Interventions

Course Details

Subject Code	Course Number	Department(s)
EDUC	367	Education

Course Title
Literacy Assessment & Interventions

Course Description
Methods of assessing young children's literacy development and providing interventions suited to the needs of each child. Includes field experiences at school sites. Prerequisites: EDUC-365 and EDUC-366. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

EDUC370 - Theory & Practice of Peer Leadership

Course Details

Subject Code	Course Number	Department(s)
EDUC	370	Education

Course Title
Theory & Practice of Peer Leadership

Course Description
An introduction to a broad range of approaches to successful tutoring, this course focuses particularly on addressing diverse learning styles and understanding the impact of social-cultural differences on learning. Students will develop diverse peer tutoring strategies to facilitate learning and will be prepared to serve as tutors in a variety of settings. Prerequisite: GPA of 2.75 or instructor's approval. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC380 - Instructional Design

Course Details

Subject Code	Course Number	Department(s)
EDUC	380	Education

Course Title
Instructional Design

Course Description
Methods of designing instruction to enhance student learning by using clear objectives, appropriate assessment and flexible learning activities that conform to state curriculum standards. Prerequisites: EDUC-101. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC389 - Assessment

Course Details

Subject Code	Course Number	Department(s)
EDUC	389	Education

Course Title
Assessment

Course Description
Methods of designing and using a wide range of assessment types and assessment data to implement instructional or programmatic revisions in education. Includes field experiences at school sites. Prerequisites: A Central Curriculum Analytical Thought course, senior standing, and admission to the teacher education program. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC400 - Early Childhood Social Studies

Course Details

Subject Code	Course Number	Department(s)
EDUC	400	Education

Course Title
Early Childhood Social Studies

Course Description
Methods of designing and delivering effective instruction in social studies in early childhood classrooms. Includes field experiences at school sites. Prerequisites: Senior standing and elementary education major. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC410 - Family and Community

Course Details

Subject Code	Course Number	Department(s)
EDUC	410	Education

Course Title
Family and Community

Course Description
Examines the connections among schools, families and communities and methods teachers can use to establish and maintain positive collaborative relationships with the families of their students. Includes field experiences at school or community sites. Prerequisites: Senior standing and admission to the teacher education program. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC415 - Assessment in Special Education

Course Details

Subject Code	Course Number	Department(s)
EDUC	415	Education

Course Title
Assessment in Special Education

Course Description
The course covers methods and materials used in assessing students who may be eligible for special education. Class sessions will involve experiential learning activities related to the assessment of students. Students will take this course the semester before student teaching, in concurrence with a practicum. This course includes technical prerequisites of understanding standardized assessment and the rationale for using curriculum-based measurement (CBM) within the broad context of special education programming. Students will develop competencies in utilizing norm-referenced, criterion-referenced, curriculum-based, and teacher-made assessment for instructional and placement decisions. Only available to students accepted into the Special Education (PreK-8) Dual Certification program. Prerequisites: Senior class standing, EDUC-999 admission to the teacher education program, and successful completion of EDUC-240 and EDUC-260. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC421 - Methods in Teaching English

Course Details

Subject Code	Course Number	Department(s)
EDUC	421	Education

Course Title
Methods in Teaching English

Course Description
Methods courses in the secondary program address content and techniques used to develop and implement instruction in the specific content area. (Music education majors should refer to the music department's methods course list.) All methods courses include field experiences. These courses are taken in the first semester of the senior year as part of the Secondary Education Methods Block. Prerequisites: Senior standing and EDUC-999 admission to the teacher education program. 2 SH.

Course Types
Cur, Instruct, Assessment (CIA)

Semester Hours

Semester Hours:
2

EDUC422 - Methods in Teaching Foreign Languages

Course Details

Subject Code	Course Number	Department(s)
EDUC	422	Education

Course Title
Methods in Teaching Foreign Languages

Course Description
Methods courses in the secondary program address content and techniques used to develop and implement instruction in the specific content area. (Music education majors should refer to the music department's methods course list.) All methods courses include field experiences. These courses are taken in the first semester of the senior year as part of the Secondary Education Methods Block. Prerequisites: Senior standing and EDUC-999 admission to the teacher education program. 2 SH.

Course Types
Cur, Instruct, Assessment (CIA)

Semester Hours

Semester Hours:
2

EDUC423 - Methods in Teaching Mathematics

Course Details

Subject Code	Course Number	Department(s)
EDUC	423	Education

Course Title
Methods in Teaching Mathematics

Course Description
Methods courses in the secondary program address content and techniques used to develop and implement instruction in the specific content area. (Music education majors should refer to the music department's methods course list.) All methods courses include field experiences. These courses are taken in the first semester of the senior year as part of the Secondary Education Methods Block. Prerequisites: Senior standing and EDUC-999 admission to the teacher education program. 2 SH,

Course Types
Cur, Instruct, Assessment (CIA)

Semester Hours

Semester Hours:
2

EDUC424 - Methods in Teaching Science

Course Details

Subject Code	Course Number	Department(s)
EDUC	424	Education

Course Title
Methods in Teaching Science

Course Description
Methods courses in the secondary program address content and techniques used to develop and implement instruction in the specific content area. (Music education majors should refer to the music department's methods course list.) All methods courses include field experiences. These courses are taken in the first semester of the senior year as part of the Secondary Education Methods Block. Prerequisites: Senior standing and EDUC-999 admission to the teacher education program. 2 SH.

Course Types
Cur, Instruct, Assessment (CIA)

Semester Hours

Semester Hours:
2

EDUC425 - Methods in Teaching Social Studies

Course Details

Subject Code
EDUC

Course Number
425

Department(s)
Education

Course Title
Methods in Teaching Social Studies

Course Description
Methods courses in the secondary program address content and techniques used to develop and implement instruction in the specific content area. (Music education majors should refer to the music department's methods course list.) All methods courses include field experiences. These courses are taken in the first semester of the senior year as part of the Secondary Education Methods Block. Prerequisites: Senior standing and EDUC-999 admission to the teacher education program. 2 SH.

Course Types
Cur, Instruct, Assessment (CIA)

Semester Hours

Semester Hours:
2

EDUC427 - Methods in Teaching Citizenship

Course Details

Subject Code
EDUC

Course Number
427

Department(s)
Education

Course Title
Methods in Teaching Citizenship

Course Description
Methods courses in the secondary program address content and techniques used to develop and implement instruction in the specific content area. (Music education majors should refer to the music department's methods course list.) All methods courses include field experiences. These courses are taken in the first semester of the senior year as part of the Secondary Education Methods Block. Prerequisites: Senior standing and EDUC-999 admission to the teacher education program. 2 SH.

Course Types
Cur, Instruct, Assessment (CIA)

Semester Hours

Semester Hours:
2

EDUC428 - Business, Communications and IT Methods

Course Details

Subject Code
EDUC

Course Number
428

Department(s)
Education

Course Title
Business, Communications and IT Methods

Course Description
Business, Communications and IT Methods prepares students to develop and implement instruction in the K-12 Business classroom setting. This course includes field experiences and is taken in preparation for student teaching. Prerequisites: Approval of the Director of Teacher Intern and Auxiliary Programs. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC429 - Methods of Teaching Art

Course Details

Subject Code
EDUC

Course Number
429

Department(s)
Education

Course Title
Methods of Teaching Art

Course Description
Methods of Teaching Art (Methods of Curriculum, Instruction and Assessment in Art) prepares students to develop and implement instruction in the pK-12 Art classroom setting. This course includes field experiences and is taken in preparation for student teaching. Prerequisites: Approval of the Director of Teacher Intern Programs. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC430 - Early Childhood Science Methods

Course Details

Subject Code	Course Number	Department(s)
EDUC	430	Education

Course Title
Early Childhood Science Methods

Course Description
Methods of teaching scientific knowledge and the elements of scientific thinking and experimenting in developmentally appropriate ways to children through fourth grade. Field experiences may include one or more Saturdays. Prerequisites: INTD-320. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC440 - Ell Language & Literacy Dvpt

Course Details

Subject Code	Course Number	Department(s)
EDUC	440	Education

Course Title
Ell Language & Literacy Dvpt

Course Description
This course focuses on the academic language needed for ELLs to be successful in U.S. schools. The course begins with an emphasis on foundational knowledge of language structures (i.e., English phonology, morphology, and syntax) as well as a thorough review of key theories and principles in first and second language acquisition. The course looks at the particular issues faced by students at different points in their education: elementary, middle and high school, as well as the role of literacy in content area learning. Students will understand the complexities associated with reading and writing development in more than one language. The tutoring component of the course will give students an opportunity to apply theoretical knowledge to practice and conduct hands-on analyses and diagnostic assessments. Prerequisite: EDUC 350. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC441 - Divers Poli Soc Factors for ELLs & Educ

Course Details

Subject Code	Course Number	Department(s)
EDUC	441	Education

Course Title
Divers Poli Soc Factors for ELLs & Educ

Course Description
In this course, sociocultural and political dimensions of language learning and teaching are explored. Learning a language is not a politically neutral enterprise: Issues of power are related to who is encouraged to learn a language and who is prevented from accessing linguistic resources. The course emphasizes the interplay between the macro-level relations of power in society and the micro-level experiences of language learners by focusing on sociocultural, political, racial, and economic perspectives. Throughout the semester, you will be encouraged to make connections between theory and practice. As part of making connections between theory and practice, 20 hours of field experience will be a part of the course assignments and requirements. Prerequisites: EDUC-350. 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

EDUC442 - ESL Curriculum Design & Teaching Method

Course Details

Subject Code	Course Number	Department(s)
EDUC	442	Education

Course Title
ESL Curriculum Design & Teaching Method

Course Description
The purpose of this course is to introduce students to current research-based methods, strategies, frameworks and resources in K-12 ESL education, with an emphasis on both curriculum and assessment components. The course offers a critical overview of a variety of ESL teaching methods, with the focus on recent developments in content-based, task-based, and critical pedagogies, in addition to appropriate assessment principles and techniques. Students will also explore a variety of ways to use technology for instructional purposes. The course includes a concurrent, required field experience (20 hours total; two observation hours per week) where candidates will work with an ELL in the field, identify their instructional needs through assessment and then work with the learner to meet instructional needs through different forms of curriculum. Prerequisite: EDUC-350. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC443 - Intro. 2nd Lang Acquisition - Educators

Course Details

Subject Code	Course Number	Department(s)
EDUC	443	Education

Course Title
Intro. 2nd Lang Acquisition - Educators

Course Description
This course is designed as an introduction to how first and, in particular, second languages are learned. The hope is that students will use what they learn to teach individuals who have a second/additional language. All course topics weave in discussion on the role of language in teaching and learning, as well as stress the relevant implications for effective instruction in culturally and linguistically diverse classrooms. Students will gain an understanding of the historical development of language acquisition theories, and how they have led to modern hypotheses on language learning and classroom practices. By the end of the course, the students will write action plans that explain their understanding of language acquisition and how it applies to classroom environments. There is no required field experience for this course. 4 SH.

Semester Hours

Semester Hours:
4

EDUC478 - Principles of Professional Practice

Course Details

Subject Code	Course Number	Department(s)
EDUC	478	Education

Course Title
Principles of Professional Practice

Course Description
A study of current curricular and instructional practices. Topics include components of planning and preparation, classroom environment, classroom assessment, and professional development. Prerequisite: Acceptance in the Teacher Intern Program. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC479 - Principles Teach & Learn Secondary Ed

Course Details

Subject Code	Course Number	Department(s)
EDUC	479	Education

Course Title
Principles Teach & Learn Secondary Ed

Course Description
A study of current curricular and instructional practices. Topics include components of professional practice, planning and preparation, classroom environment, classroom assessment, and professional development. (A summer section of EDUC-479 may be offered for students participating in the Teacher Intern Program. This summer section carries two semester hours of credit and is not available to undergraduate students.) This course is taken in the first semester of the senior year as part of the Secondary Education Methods Block (see secondary education in the education course requirements section.) This course includes a practicum. Prerequisites: Senior standing and EDUC-999 admission to the teacher education program. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC483 - Differentiated Instruction in Sec Educ

Course Details

Subject Code	Course Number	Department(s)
EDUC	483	Education

Course Title
Differentiated Instruction in Sec Educ

Course Description
An overview of the current models of classroom management and strategies for meeting diverse needs and unique abilities of students from many different backgrounds. Topics include classroom management techniques for exceptional learners, urban and rural students, and culturally and linguistically diverse students. Includes field experiences at a school site. This course is taken in the first semester of the senior year as part of the Secondary Education Methods Block. Prerequisites: Senior standing and EDUC-999 admission to the teacher education program. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

EDUC490 - Pedagogy & Classroom Environment

Course Details

Subject Code	Course Number	Department(s)
EDUC	490	Education

Course Title
Pedagogy & Classroom Environment

Course Description
A course for seniors in the early childhood (PreK-4) certificate program, which covers methods of early childhood teaching, including instructional planning, responsive classroom management, diversity in the classroom and professional ethics. The second half of the course is spent at the school site with the cooperating teacher to whom each senior is assigned for student teaching in the spring semester. Prerequisites: Senior standing in the elementary education major and EDUC-999 admission to the teacher education program. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

EDUC500 - Student Teaching

Course Details

Subject Code	Course Number	Department(s)
EDUC	500	Education

Course Title
Student Teaching

Course Description
students must be admitted to the teacher education program (EDUC-999) and apply and be approved for student teaching.

Course Types
Student Teaching (TEACH)

Semester Hours

Semester Hours:
0

EDUC501 - Preparation and Planning

Course Details

Subject Code	Course Number	Department(s)
EDUC	501	Education

Course Title
Preparation and Planning

Course Description
Taken together, EDUC-501, EDUC-502, EDUC-503, and EDUC-600 require observation and student teaching in nearby schools under supervision of a public school teacher and a university supervisor and attendance at a weekly seminar. During this 15-week period, students in early childhood education spend a minimum of 450 hours of observation/teaching experience, and students in secondary education spend a minimum of 420 hours of observation/teaching experience. To enroll in this block of courses, students must be admitted to the teacher education program and have approval from their advisers. Students may not enroll in any additional courses for this semester without prior written approval from the head of the Education Department. Prerequisites: All other courses required for the major and for the teacher education program, as well as EDUC-999 admission to the teacher education program. Capstone for elementary education majors. 4 SH.

Course Types
Student Teaching (TEACH), Capstone (CAPS)

Semester Hours

Semester Hours:
4

EDUC502 - Classroom Teaching

Course Details

Subject Code	Course Number	Department(s)
EDUC	502	Education

Course Title
Classroom Teaching

Course Description
Taken together, EDUC-501, EDUC-502, EDUC-503, and EDUC-600 require observation and student teaching in nearby schools under supervision of a public school teacher and a university supervisor and attendance at a weekly seminar. During this 15- week period, students in early childhood education spend a minimum of 450 hours of observation/teaching experience, and students in secondary education spend a minimum of 420 hours of observation/teaching experience. To enroll in this block of courses, students must be admitted to the teacher education program and have approval from their advisers. Students may not enroll in any additional courses for this semester without prior written approval from the head of the Education Department. Prerequisites: All other courses required for the major and for the teacher education program, as well as EDUC-999 admission to the teacher education program. Capstone for elementary education majors. 4 SH.

Course Types
Student Teaching (TEACH), Capstone (CAPS)

Semester Hours

Semester Hours:
4

EDUC503 - Classroom Management

Course Details

Subject Code	Course Number	Department(s)
EDUC	503	Education

Course Title
Classroom Management

Course Description
Taken together, EDUC-501, EDUC-502, EDUC-503, and EDUC-600 require observation and student teaching in nearby schools under supervision of a public school teacher and a university supervisor and attendance at a weekly seminar. During this 15- week period, students in early childhood education spend a minimum of 450 hours of observation/teaching experience, and students in secondary education spend a minimum of 420 hours of observation/teaching experience. To enroll in this block of courses, students must be admitted to the teacher education program and have approval from their advisers. Students may not enroll in any additional courses for this semester without prior written approval from the head of the Education Department. Prerequisites: All other courses required for the major and for the teacher education program, as well as EDUC-999 admission to the teacher education program. Capstone for elementary education majors. 4 SH. CC: Ethics Intensive.

Course Types
Student Teaching (TEACH), Capstone (CAPS), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

EDUC530 - Education Policy

Course Details

Subject Code	Course Number	Department(s)
EDUC	530	Education

Course Title
Education Policy

Course Description
This course examines contemporary issues and challenges in public education. It explores the history of education in the United States and discusses objectives behind creating a public school system. Theories and concepts related to the policymaking process are explored, and resulting policies are analysis and contextualize within the field of education. Finally, the course investigates recent education reforms and, where possible, seeks to analyze the consequences of these reforms. Same as POLI-353. Prerequisites: EDUC 101, Junior or senior standing. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

INTD320 - The Sciences

Course Details

Subject Code	Course Number	Department(s)
INTD	320	Education

Course Title
The Sciences

Course Description
Students in this course will examine the disciplines of the natural sciences (physics, chemistry, biology, earth and space) together with related technologies. The course introduces students to science as a human activity with a long history and the following habits of mind: values and attitudes, computation and estimation, manipulation and observation, communication, and critical-response skills. Particular attention is given to the underlying themes of science: systems, models, constancy and change, and scale. Laboratories will be taught together with the lecture portion of the class. However, some field experiences may be on Saturdays. Prerequisites: sophomore standing, completion of the Analytical Thought requirement, and either MUED-200 or EDUC-101. 4 SH. CC: Interdisciplinary, Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

INTD340 - Inquiry-Based Science

Course Details

Subject Code	Course Number	Department(s)
INTD	340	Education

Course Title
Inquiry-Based Science

Course Description
This course is designed for secondary education, modern language education, and music education students. Course instruction will be structured following principles of interdisciplinary instruction and inquiry-based learning. Required lab components are integrated with instruction. Students will analyze and apply their developing understanding of interdisciplinary instruction and inquiry-based learning in order to create original learning activities and lesson plans that incorporate concepts from their respective teaching disciplines. Prerequisites: Sophomore standing. CC Interdisciplinary, Scientific Explanations. 4 SH

Course Types
Standard (STAND), Scientific Explanations (SCNTF), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

English & Creative Writing Department

Faculty

Betsy Verhoeven, Ph.D., Associate Professor of English, department co-head

Catherine Zobal Dent, Ph.D., Associate Professor of Creative Writing, department co-head
Karla Anne Kelsey, Ph.D., Charles B. Degenstein Professor of Creative Writing
Laurence D. Roth, Ph.D., Charles B. Degenstein Professor of English
Amira Hanafi, MFA, Associate Professor of Digital Publishing and Writing
Drew Hubbell, Ph.D., Associate Professor of English
Matthew Neill Null, MFA, Associate Professor of Creative Writing
Monica Prince, MFA, Associate Professor of Creative Writing
Glen Retief, Ph.D., Associate Professor of Creative Writing
Randy Robertson, Ph.D., Associate Professor of English
Rachana Sachdev, Ph.D., Associate Professor of English
Silas Dent Zobal, Ph.D., Associate Professor of Creative Writing
Sean Ironman, Ph.D., Assistant Professor of Creative Writing
Jessica Masterton, Ph.D., Assistant Professor of Publishing & Media Entrepreneurship
Samantha Silver, Ph.D., Mellon Postdoctoral Teaching Fellow
Daniel Uncapher, Ph.D., Visiting Assistant Professor of Creative Writing

Programs

Creative Writing (BA)

About the Program

Program Title
Creative Writing (BA)

Degree
Bachelor of Arts

Program Code
CRWR.BA

Program Description
The creative writing major emphasizes literature and writing courses that will be most valuable in preparing students not only for careers in writing, but also for related careers in law, education, publishing and editing. Courses are organized to offer breadth and depth, practical skills, and intensive independent writing, presentation and production experiences.

Learning Goals
- Critical thinking: originality and appreciation of nuance
- Interpretation: history, theory and criticism
- Literacy: reading, intertextuality and cosmopolitanism
- Style: rhetoric, genre and audience

Double-counting Restriction
Students in the English & Creative Writing Department may, with department head approval, complete more than one major and/or minor in the department. Students may double-count a maximum of 28 semester hours toward another major in the department.

Students in English & Creative Writing study literature from four different perspectives: as creative writers, readers, editor-entrepreneurs, and professional writers. Foundational courses taken by students in the first and second years show how literary history, literary theory, and literary diversity are integral to formal concerns and to emerging digital contexts. These provide a common learning experience. After the foundational courses, English-Literature and English-Secondary Education majors take advanced seminars in literary history and theory; English-Publishing & Editing majors take advanced courses in literary criticism and professional skills; Creative Writing majors take advanced writing workshops in fiction, nonfiction, and poetry; and Professional and Civic Writing majors take advanced courses in grant, community, and democratic writing. Coursework in each major is completed through a capstone experience. English-Literature and English-Secondary Education majors pursue an independent research project; English-Publishing & Editing majors take a course in which they reflect on the cultural, political, and commercial functions of publishing; Creative Writing majors prepare a portfolio of their original work; and Professional and Civic Writing majors participate in a class that prepares job application materials and considers the connections between political and workplace writing.

Program Requirements

Requirements
48-52 semester hours with grades of C- or better. For the purposes of calculating the required 2.00 minimum GPA in any of the four majors offered by the department, the English & Creative Writing Department uses all of the major courses with the ENGL and WRIT prefixes.

4 WRIT-251 Introduction to Fiction

4 WRIT-252 Introduction to Poetry

4 WRIT-253 Introduction to Creative Nonfiction

8 Intermediate creative writing workshops chosen from:

WRIT-351 Intermediate Fiction

WRIT-352 Intermediate Poetry

WRIT-353 Intermediate Creative Nonfiction

4 Advanced creative writing workshops chosen from:

WRIT-451 Advanced Fiction

WRIT-452 Advanced Poetry

WRIT-453 Advanced Creative Nonfiction

4 WRIT-550 Senior Seminar

0-4 WRIT-520 Practicum ***or*** WRIT-540 Internship

8 ENGL-265 Forms of Writing, with no repetition of genre and no limitation of topic within the course topics listed below:

ENGL-265 Novel

ENGL-265 Short Story

ENGL-265 Formal Structure of Poetry

ENGL-265 Narrative Poetry

ENGL-265 Lyric Poetry

ENGL-265 Prose Poetry/Lyric Essay

ENGL-265 Personal Essay

ENGL-265 Memoir

ENGL-265 Literary Journalism

ENGL-265 Popular Writing

4 ENGL-290 Aesthetics and Interpretation

8 ENGL courses at the 300-level, chosen from the following electives (which may be repeated with different subject matter):

ENGL-350 Studies in Major Authors

ENGL-355 Studies in Anglophone Literature (Multicultural/Non-Western)

ENGL-361 Studies in Literary Forms

ENGL-365 Studies in Literature and Gender

ENGL-375 History of the Book

ENGL-390 Special Themes and Topics

Note: A student is required to participate in a senior reading and to produce a senior chapbook in order to graduate with a creative writing major.

Creative Writing - Secondary Education (BA)

About the Program

Program Title
Creative Writing - Secondary Education (BA)

Degree
Bachelor of Arts

Program Code
CRWR.ED.BA

Program Description
The creative writing major emphasizes literature and writing courses that will be most valuable in preparing students not only for careers in writing, but also for related careers in law, education, publishing and editing. Courses are organized to offer breadth and depth, practical skills, and intensive independent writing, presentation and production experiences.

Secondary Teaching Certification

The Creative Writing Secondary Education major emphasizes literature and creative writing courses that will be most valuable in preparing students for a career in teaching. Courses are organized to develop not only the writing skills of the student, but also to enhance the ability to teach creative writing and literature. Courses in literature are chosen specifically to enable students to master the core of literature needed to both succeed on standardized examinations required of teaching candidates and to be familiar with secondary school curricula.

This major is offered by the Department of English & Creative Writing in conjunction with the Department of Education. It is designed to be a program leading to teacher certification, and students formally apply to the teacher education program by February of their sophomore year or as soon after that as possible. At the time of application, the candidate must have at least a 3.00 overall GPA and a 3.00 English GPA.

Program Requirements

Requirements
Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Requirements for the Creative Writing Secondary Education Major

44 semester hours in Department of English & Creative Writing courses with grades of C- or better.

4 WRIT-251 Introduction to Fiction

4 WRIT-252 Introduction to Poetry

4 WRIT-253 Introduction to Creative Nonfiction

(These 200-level courses must be completed before the end of the student's junior year.)

4 Intermediate creative writing workshops chosen from:

WRIT-351 Intermediate Fiction

WRIT-352 Intermediate Poetry

WRIT-353 Intermediate Creative Nonfiction

4 Advanced creative writing workshops chosen from:

WRIT-451 Advanced Fiction

WRIT-452 Advanced Poetry

WRIT-453 Advanced Creative Nonfiction

4 ENGL-290 Aesthetics and Interpretation

4 WRIT-550 Senior Seminar

4 ENGL-265 Forms of Writing

12 Advanced study courses chosen from ENGL-300 to ENGL- 390 range.

4 semester hours of this work must be in an early period course, defined as pre-1865 America or pre-1789 British. Creative writing-secondary education majors are strongly encouraged to fulfill this early period requirement via ENGL-350 Major Authors: Shakespeare. A further 4 semester hours must be multicultural/non-Western.

Note: The Department of Education requires a cumulative grade point of 3.00 overall and in the major. Also, a student is required to participate in a senior reading and to produce a senior chapbook in order to graduate with a creative writing major.

English - Professional and Civic Writing (BA)

About the Program

Program Title
English - Professional and Civic Writing (BA)

Degree
Bachelor of Arts

Program Code
ENGL.CIVIC.BA

Program Description
The Professional and Civic Writing major teaches students how to write a variety of documents that are widely used in business, non-profits, government and non-governmental organizations, and civic situations. These documents include grant proposals, letters, personal profiles, websites, and inter-office communication such as memos and emails. They also include data visualizations, social media campaigns, infographics, podcasting, and video storytelling. Students graduating with this major gain experience in problem-solving, including the research skills necessary to find solutions and to present complex information to a wide range of different audiences; careful listening and negotiating among?competing points of view; and navigating complex ethical challenges and thorny, "wicked" problems like climate change, public health crises, and the quality of K-12 education.

Learning Goals
- Write effectively and professionally in a variety of genres for print and digital contexts
- Use rhetorical skills to research, produce, and accurately share complex information in a user-friendly way
- Consider the ways various forms of writing cultivate the ground for democracy (for example, by encouraging thoughtful deliberation, attention to a wide range of points of view, and reciprocity amongst citizens)
- Navigate complex ethical challenges in the workplace and in civic contexts

Double-counting Restriction
Students in the English & Creative Writing Department may, with department head approval, complete more than one major and/or minor in the department. Students may double-count a maximum of 28 semester hours toward another major in the department.

Students in English & Creative Writing study literature from four different perspectives: as creative writers, readers, editor-entrepreneurs, and professional writers. Foundational courses taken by students in the first and second years show how literary history, literary theory, and literary diversity are integral to formal concerns and to emerging digital contexts. These provide a common learning experience. After the foundational courses, English-Literature and English-Secondary Education majors take advanced seminars in literary history and theory; English-Publishing & Editing majors take advanced courses in literary criticism and professional skills; Creative Writing majors take advanced writing workshops in fiction, nonfiction, and poetry; and Professional and Civic Writing majors take advanced courses in grant, community, and democratic writing. Coursework in each major is completed through a capstone experience. English-Literature and English-Secondary Education majors pursue an independent research project; English-Publishing & Editing majors take a course in which they reflect on the cultural, political, and commercial functions of publishing; Creative Writing majors prepare a portfolio of their original work; and Professional and Civic Writing majors participate in a class that prepares job application materials and considers the connections between political and workplace writing.

Program Requirements

Requirements
Complete the following requirements with grades of C- or better. For the purposes of calculating the required 2.00 minimum GPA in any of the three majors offered by the department, the English & Creative Writing Department uses all of the major courses with the ENGL and WRIT prefixes.

Writing intensive requirement: At least 24 SH writing intensive courses are required, which may be selected from those included in the program requirements and indicated below.

18 Required Core Writing Courses:

4 ENGL-299 Professional and Civic Writing (*Writing Intensive*)

4 ENGL-289 Grant Writing (*Writing Intensive*)

4 ENGL-385 Making Democracy Work

2 ENGL-269 Copy Editing and Grammar

4 ENGL-420 Professional and Civic Writing Capstone (*Writing Intensive*)

2-4 Internship Requirement:

4 ENGL-360 Community Partnerships: Guided Writing Internship (*Writing Intensive*) **OR**

2 ENGL 520 Practicum **or** ENGL 540 Internship

8 Interdisciplinary Democratic Culture Requirement. Choose two from:

4 COMM-191 Interpersonal Communication

4 COMM-194 Intercultural Communication

4 ENGL-205 Climate Change Narratives (*Writing Intensive*)

4 HIST-201 Public History

4 PHIL-224 Bioethics

4 PHIL-226 Philosophy, Ethics, and the Environment

4 RELI-316 Daoism, Zen, and Authenticity

4 RELI-318 Confucian Ethics (*Writing Intensive*)

4 WGST-313 Women in Art

4 WGST-100 Introduction to Women and Gender Studies

12 Depth of Knowledge. In addition to the courses above, a student must complete a sequence of three courses, all on the same topic or in the same discipline. This depth of knowledge may then inform writing in the Required Core Writing courses listed above. This requirement may be met by any of the sequences from the list below or another sequence approved by the department of English and Creative Writing. Courses may not simultaneously fulfill the Interdisciplinary category and the Depth of Knowledge category.

Africana Studies: AFRC-101 Introduction to Africana Studies; ENGL 250-World Literature (when offered as African Literature); either HIST-115 African-American History or PHIL 150 Race, Class, and Ethics.

Art History: ARTH-101 Introduction to World Art 1; ARTH-102 Introduction to World Art II; 4 SH any 300 level ARTH class. *Note that some 300-level ARTH classes are Writing Intensive.*

Arts Administration: 4 MGMT-240 Principles of Management; MUSC-275 Intro to Arts Leadership; either THEA 100 Introduction to Theatre, MUSC 101 Introduction to Music, or MUSC-250 Music of the Classis and Romantic Eras *(Writing Intensive)*.

Environmental Sciences: Any 3 of the following courses. EENV-102 Environmental Hazards, EENV-103 Earth History, EENV-104 Weather and Climate, EENV-105 Energy and the Environment, EENV-213 Oceanography

English: ENGL-265 Forms *(Writing Intensive);* either ENGL-245, ENGL-250, or ENGL-255; 4 SH ENGL-350 *(Writing Intensive)*, ENGL 375, or ENGL 390 *(Writing Intensive)*.

History: Two Geographic Based Surveys (100-level) courses from different geographical areas and one 200-level Specialized Thematic Survey course.

Languages, Literatures & Cultures: 12 SH in French at the 200-level or above; 12 SH in German at the 200-level or above; or 12 SH in Spanish at the 200-level or above; or 12 SH in Italian at the 200-level or above. *Note that some of French, German, or Spanish courses are Writing Intensive.*

Public Policy: POLI-205 Research Methods I; POLI-212 Introduction to Public Policy; 4 SH POLI at the 300-level. *Note that some 300-level POLI courses are Writing Intensive.*

Religious Studies: 12 hours RELI courses; at least 8 hours must be 200-level or higher. *Note that some 200-level and above RELI courses are Writing Intensive.*

Philosophy: 12 hours PHIL courses; at least 8 hours must be 200-level or higher. *Note that some 200-level and above PHIL courses are Writing Intensive.*

Women and Gender Studies: 12 hours WGST classes; at least 8 hours must be 200-level or higher. *Note that some 200-level and above WGST courses are Writing Intensive.*

English - Secondary Education (BA)

About the Program

Program Title
English - Secondary Education (BA)

Degree
Bachelor of Arts

Program Code
ENGL.ED.BA

Program Description
The English Literature major is designed to prepare students for a successful, fulfilling life and career in the 21st century by training them to understand the theoretical implications and historical context of all forms of writing and become expert writers. A graduate from this program will have superb analytic and problem-solving skills, powerful methods to understand cultural context and meaning, and the ability to perform advanced research in any text-based field, such as law, education, government, library science, publishing, editing, marketing and public advocacy.

Secondary Teaching Certification

The English-Secondary Education major is designed to prepare students to teach English in grades 7-12 and be successful on standard exams required of teaching candidates. This major is offered by the Department of English & Creative Writing in conjunction with the Department of Education. It is designed to be a program leading to teacher certification, and students formally apply to the teacher education program by February of their sophomore year or as soon after that as possible. At the time of application, the candidate must have at least a 3.00 overall GPA and a 3.00 English GPA.

Program Requirements

Requirements
In addition to the Education course requirements listed below, secondary education English students complete all of the usual requirements for the English-Literature major—except for ENGL-520/ENGL-540, since the internship requirements is completed via student teaching courses. Students must complete the major requirements with grades of C- or better.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

English - Publishing and Editing (BA)

About the Program

Program Title
English - Publishing and Editing (BA)

Degree
Bachelor of Arts

Program Code
ENGL.EDIT.BA

Program Description
The English-Publishing & Editing major prepares students for careers in a digitally mediated publishing industry and for related careers in marketing, public relations, arts journalism, library and information science, and media management. Courses focus on both the intellectual and practical uses of literary study, especially the technologies of writing and reading, the businesses of literature, and craft.

Learning Goals
- Critical thinking: originality and appreciation of nuance
- Interpretation: history, theory and criticism
- Literacy: reading, intertextuality and cosmopolitanism
- Style: rhetoric, genre and audience

Double-counting Restriction
Students in the English & Creative Writing Department may, with department head approval, complete more than one major and/or minor in the department. Students may double-count a maximum of 28 semester hours toward another major in the department.

Students in English & Creative Writing study literature from four different perspectives: as creative writers, readers, editor-entrepreneurs, and professional writers. Foundational courses taken by students in the first and second years show how literary history, literary theory, and literary diversity are integral to formal concerns and to emerging digital contexts. These provide a common learning experience. After the foundational courses, English-Literature and English-Secondary Education majors take advanced seminars in literary history and theory; English-Publishing & Editing majors take advanced courses in literary criticism and professional skills; Creative Writing majors take advanced writing workshops in fiction, nonfiction, and poetry; and Professional and Civic Writing majors take advanced courses in grant, community, and democratic writing. Coursework in each major is completed through a capstone experience. English-Literature and English-Secondary Education majors pursue an independent research project; English-Publishing & Editing majors take a course in which they reflect on the cultural, political, and commercial functions of publishing; Creative Writing majors prepare a portfolio of their original work; and Professional and Civic Writing majors participate in a class that prepares job application materials and considers the connections between political and workplace writing.

Program Requirements

Requirements
Students in the English - Publishing & Editing major complete the following 50 semester hours with grades of C- or better.

For the purposes of calculating the required 2.00 minimum GPA in any of the four majors offered by the department, the English & Creative Writing Department uses all of the major courses with the ENGL and WRIT prefixes.

Required courses:

4 ENGL-190 Introduction to Modern Publishing

4 WRIT-270 Small Press Publishing and Editing OR ENGL-297 Writing and Editing Podcasts

2 or 4

COMM-102 Methods of Adobe Creative Suite (2 SH) **OR** ENGL-275 Publishing Design and Production (4 SH)

2 ENGL-520 Practicum **or** ENGL-540 Internship

4 MGMT-280 Marketing OR ENGL-375 History of the Book

4 ENGL-370 SU Press

4 ENGL-397 Digital Publishing

4 ENGL-388 Publishing: Ethics, Entertainment, Art, Politics

4 One course from:

4 COMM-211 Introduction to Advertising and Public Relations

4 ENGL- 298 Book Reviewing

4 ENGL-299 Professional Writing.

4 WRIT-200 Intro to Creative Writing

4 WRIT-240 Introduction to Genre Writing

4 WRIT-250 Topics in Creative Writing

4 WRIT-251 Introduction to Fiction

4 WRIT-252 Introduction to Poetry

4 WRIT-253 Introduction to Creative Nonfiction

8 ENGL-265 Surveys in Forms of Writing (students may not repeat the same form)

2 ENGL-269 Copyediting and English Grammar

4 ENGL-290 Aesthetics and Interpretation

4 One ENGL course at the 300-level other than ENGL-370, -375, -397 and -388

English - Literature (BA)

About the Program

Program Title
English - Literature (BA)

Degree
Bachelor of Arts

Program Code
ENGL.LIT.BA

Program Description
The English Literature major is designed to prepare students for a successful, fulfilling life and career in the 21st century by training them to understand the theoretical implications and historical context of all forms of writing and become expert writers. A graduate from this program will have superb analytic and problem-solving skills, powerful methods to understand cultural context and meaning, and the ability to perform advanced research in any text-based field, such as law, education, government, library science, publishing, editing, marketing and public advocacy.

Learning Goals
- Critical thinking: originality and appreciation of nuance
- Interpretation: history, theory and criticism
- Literacy: reading, intertextuality and cosmopolitanism
- Style: rhetoric, genre and audience

Double-counting Restriction
Students in the English & Creative Writing Department may, with department head approval, complete more than one major and/or minor in the department. Students may double-count a maximum of 28 semester hours toward another major in the department.

Students in English & Creative Writing study literature from four different perspectives: as creative writers, readers, editor-entrepreneurs, and professional writers. Foundational courses taken by students in the first and second years show how literary history, literary theory, and literary diversity are integral to formal concerns and to emerging digital contexts. These provide a common learning experience. After the foundational courses, English-Literature and English-Secondary Education majors take advanced seminars in literary history and theory; English-Publishing & Editing majors take advanced courses in literary criticism and professional skills; Creative Writing majors take advanced writing workshops in fiction, nonfiction, and poetry; and Professional and Civic Writing majors take advanced courses in grant, community, and democratic writing. Coursework in each major is completed through a capstone experience. English-Literature and English-Secondary Education majors pursue an independent research project; English-Publishing & Editing majors take a course in which they reflect on the cultural, political, and commercial functions of publishing; Creative Writing majors prepare a portfolio of their original work; and Professional and Civic Writing majors participate in a class that prepares job application materials and considers the connections between political and workplace writing.

Program Requirements

Requirements
For the purposes of calculating the required 2.00 minimum GPA in any of the three majors offered by the department, the English & Creative Writing Department uses all of the major courses with the ENGL and WRIT prefixes.

42-44 semester hours with grades of C- or better.

4 ENGL-240 Literary Themes

4 One course chosen from:

ENGL-245 Studies in Comparative Literatures of the Americas

ENGL-250 World Literature

ENGL-255 Jewish Literature

ENGL-240 Literary Themes.

NOTE: Students cannot repeat a course with the same content.

4 ENGL-265 Forms of Writing

4 ENGL-290 Aesthetics and Interpretation

4 Mid-level writing course chosen from:

ENGL-297 Writing and Editing Podcasts

ENGL-298 Book Reviewing

ENGL-299 Professional and Civic Writing

WRIT-200 Introduction to Creative Writing

WRIT-240 Introduction to Genre Writing

WRIT-250 Topics in Creative Writing

WRIT-251 Introduction to Fiction

WRIT-252 Introduction to Poetry

WRIT-253 Introduction to Creative Nonfiction

16 Advanced study

To be chosen from among courses in the ENGL-300 to ENGL-390 range. 4 semester hours of this work must be in an early period course.

2-4 ENGL-520 Practicum **or** ENGL-540 Internship in field related to likely career

4 ENGL-440 Applied Knowledge in the Discipline

Of the semester hours listed above, 4 semester hours taken at the 200- or 300-level must be early period, defined as pre-1865 America or pre-1789 British. 4 semester hours taken at either the 200- or 300- level must be multicultural/non-Western.

Creative Writing Minor

About the Program

Program Title
Creative Writing Minor

Program Code
MINR.CRWR

Double-counting Restriction
Students in the English & Creative Writing Department may, with department head approval, complete more than one major and/or minor in the department. Students may double-count a maximum of 28 semester hours toward another major in the department.

Program Requirements

Requirements
Creative writing minors complete, with grades of C- or better, at least 20 semester hours beyond FYSE-100 and including a WRIT 300-level, intermediate workshop class. The remaining courses are chosen with guidance and approval of the departmental minor advisor from departmental offerings that are part of the creative writing major. See the course descriptions for information about which courses may be repeated. COMM-131 Introduction to Journalism also satisfies requirements of the minor. Declaration of a creative writing minor requires submission of a six- to eight-page creative writing sample to the director of creative writing. Select members of the creative writing faculty will review this sample to ensure that students have the ability to succeed in this minor. Note that approval of a creative writing minor does not guarantee a place in workshop classes. The creative writing minor is not open to students pursuing the creative writing major.

Publishing & Editing Minor

About the Program

Program Title
Publishing & Editing Minor

Program Code
MINR.EDIT

Double-counting Restriction
Students in the English & Creative Writing Department may, with department head approval, complete more than one major and/or minor in the department. Students may double-count a maximum of 28 semester hours toward another major in the department.

Program Requirements

Requirements
Students earning the minor in publishing & editing must complete five courses (a total of 18 semester hours) with a grade of C- or above. The required courses are ENGL-190 Introduction to Modern Publishing, WRIT-270 Small Press Publishing and Editing, COMM-102 Methods of Adobe Creative Suite, ENGL-520 or ENGL-540 Internship and ENGL- 388 Publishing: Ethics, Entertainment, Art, Politics.

English Minor

About the Program

Program Title
English Minor

Program Code
MINR.ENGL

Double-counting Restriction
Students in the English & Creative Writing Department may, with department head approval, complete more than one major and/or minor in the department. Students may double-count a maximum of 28 semester hours toward another major in the department.

Program Requirements

Requirements
English minors complete, with grades of C- or better, four semester hours from ENGL-265 Forms of Writing courses, four semester hours from Multicultural/ 200-Level Choice courses (chosen from ENGL-245, ENGL-250, and ENGL-255), and 12 semester hours from Advanced Study courses (chosen from any ENGL course 300-399). Courses are chosen by the student with the guidance of a departmental advisor.

Professional & Civic Writing Minor

About the Program

Program Title
Professional & Civic Writing Minor

Program Code
MINR.ENPC

Double-counting Restriction
Students in the English & Creative Writing Department may, with department head approval, complete more than one major and/or minor in the department. Students may double-count a maximum of 28 semester hours toward another major in the department.

Program Requirements

Requirements
Students earning the minor in professional and civic writing must complete a total of 20-22 semester hours with a grade of C- or above. The required courses are listed below:

10	**Required Writing Courses:**
2	ENGL-269 Copyediting and English Grammar
4	ENGL-289 Grant Writing
4	ENGL-299 Professional and Civic Writing: Practice and Theory
4	**Choose one from:**
4	ENGL-390 Special Themes and Topics (when the topic addresses a rhetorical theory)
4	ENGL-385 Making Democracy Work
2-4	**Choose one from:**
4	ENGL-360 Community Partnerships: Guided Writing Internship
2	ENGL-520 Practicum
2	ENGL-540 Internship
4	**Choose one from:**
4	ENGL-420 Professional and Civic Writing Capstone
4	INTD-201 International Studies and Global Challenges
4	DIVS-100 Introduction to Diversity Studies
4	LANG-300 Applied Linguistics
4	WGST-100 Introduction to Women and Gender Studies
4	COMM-191 Interpersonal Communication
4	COMM-194 Intercultural Communication
4	PHIL-224 Bioethics
4	PHIL-226 Philosophy, Ethics, and the Environment
4	ENGL-205 Climate Change Narratives
4	RELI-318 Confucian Ethics
4	HIST-201 Public History

Courses

ENGL190 - Introduction to Modern Publishing

Course Details

Subject Code
ENGL

Course Number
190

Department(s)
English & Creative Writing

Course Title
Introduction to Modern Publishing

Course Description
An introduction to the history of modern publishing, to the art and business of producing books (including current trends and problems), and to the practical knowledge and critical skills needed to pursue employment in the industry. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL205 - Literature Studies

Course Details

Subject Code
ENGL

Course Number
205

Department(s)
English & Creative Writing

Course Title
Literature Studies

Course Description
Specialized courses surveying a particular theme or topic of literary study and fostering in students the capacity for critical thinking. Texts are chosen according to the interest and expertise of instructors. Recent examples are Wilderness Literature, Beat Literature, Living Writers, and Travel Literature. Prerequisite: sophomore standing or second-semester students who have successfully completed FYSE-100 or an equivalent course. 4 SH. CC: Literary Expression, Writing Intensive.

Course Types
Standard (STAND), Literary Expression (LITEX), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL205T - Literature Studies

Course Details

Subject Code
ENGL

Course Number
205T

Department(s)
English & Creative Writing

Course Title
Literature Studies

Course Description
Specialized courses surveying a particular theme or topic of literary study and fostering in students the capacity for critical thinking. Texts are chosen according to the interest and expertise of instructors. Recent examples are Wilderness Literature, Beat Literature, Living Writers, and Travel Literature. Prerequisite: sophomore standing or second-semester students who have successfully completed the Writing and Thinking course.

Course Types
Literary Expression (LITEX), Not included in catalog (NOCAT), Do Not Show On Web (NSHOW)

Semester Hours

Semester Hours:
4

ENGL240 - Literary Themes

Course Details

Subject Code
ENGL

Course Number
240

Department(s)
English & Creative Writing

Course Title
Literary Themes

Course Description
An introductory, historical survey of prominent themes in literature including those related to national, transnational, and ethnic literatures. Course topics vary and may include coming of age, human-nature relations, war and revolution, technology, and publishing house culture. Prerequisite: Sophomore standing or second-semester first-year students who have successfully completed FYSE-100 or an equivalent course. 4 SH. CC: Literary Expression.

Course Types
Standard (STAND), Literary Expression (LITEX)

Semester Hours

Semester Hours:
4

ENGL245 - Comparative Literature of the Americas

Course Details

Subject Code	Course Number	Department(s)
ENGL	245	English & Creative Writing

Course Title
Comparative Literature of the Americas

Course Description
Surveys the literature of one or more cultural groups, both within and outside the U. S., including African American, Native American, Latina/Latino, Asian American and others. In every case, factors of race, ethnicity, gender, sexual orientation and class will be of prime concern. Course selections and course topics vary according to instructor preference. Prerequisite: English and creative writing major or sophomore standing. Satisfies Multicultural/Non-Western requirement. 4 SH. CC: Diversity, Literary Expression.

Course Types
Standard (STAND), Diversity (DVERS), Literary Expression (LITEX), Multicultl/Non-West ENGL (MULTI)

Semester Hours

Semester Hours:
4

ENGL250 - World Literature

Course Details

Subject Code	Course Number	Department(s)
ENGL	250	English & Creative Writing

Course Title
World Literature

Course Description
Surveys the literature, primarily in translation,of both historical and contemporary world writers, emphasizing the global context of literature. Prerequisite: English and creative writing major or sophomore standing. Satisfies Multicultural/Non-Western requirement. 4 SH. CC: Literary Expression.

Course Types
Standard (STAND), Literary Expression (LITEX), Multicultl/Non-West ENGL (MULTI)

Semester Hours

Semester Hours:
4

ENGL255 - Jewish Literature

Course Details

Subject Code	Course Number	Department(s)
ENGL	255	English & Creative Writing

Course Title
Jewish Literature

Course Description
A variable topic survey, in English translation, of the texts, writers, histories and languages that describe Jewish literatures. The course is especially concerned with debates over definitions of "Jewish literature" (what makes Jewish literatures Jewish?), the significance of Jewish literary and cultural diversity and Jewish literary navigations between diaspora and homeland, secularism and religiosity. Readings may include Hebrew and Israeli literature, Yiddish literature, Sephardic literature, or Jewish literatures of Europe and the Americas. Same as JWST:255. Prerequisite: Sophomore standing. Satisfies Multicultural/Non-Western requirement. 4 SH. CC: Diversity, Literary Expression.

Course Types
Standard (STAND), Diversity (DVERS), Literary Expression (LITEX), Multicultl/Non-West ENGL (MULTI)

Semester Hours

Semester Hours:
4

ENGL265 - Critical Surveys in Forms of Writing

Course Details

Subject Code	Course Number	Department(s)
ENGL	265	English & Creative Writing

Course Title
Critical Surveys in Forms of Writing

Course Description
Courses designed to examine both the formal characteristics of a particular genre and its historical development. Focus of a particular section may be the novel, the short story, drama, poetry, the essay, memoir, epic, or popular writing. Prerequisite: English or creative writing major or sophomore standing. 4 SH. CC: Diversity Intensive, Literary Expression, Writing Intensive.

Course Types
Standard (STAND), Literary Expression (LITEX), Writing Intensive (INWRT), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

ENGL269 - Copyediting and English Grammar

Course Details

Subject Code	Course Number	Department(s)
ENGL	269	English & Creative Writing

Course Title
Copyediting and English Grammar

Course Description
A descriptive study of American English grammar and the history of the English language. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

ENGL275 - Publicat'n Design & Production

Course Details

Subject Code	Course Number	Department(s)
ENGL	275	English & Creative Writing

Course Title
Publicat'n Design & Production

Course Description
This course introduces students to the foundational typographic principles of design and industry-standard production practices within the field of print and digital publishing. Students will explore the relationship between editorial content and visual communication - developing applicable skills in layout, image integration, and file preparation, as well as technical skills in relevant software. Emphasis is placed on design systems, publication workflows, and reader experience across multiple mediums. Prerequisites: ENGL-190 and Sophomore Standing. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL289 - Grant Writing

Course Details

Subject Code	Course Number	Department(s)
ENGL	289	English & Creative Writing

Course Title
Grant Writing

Course Description
Grant writing is a key component of securing funding for projects that make the world a better place. Nonprofits, school districts, and local governments regularly seek to hire staff with comprehensive writing, research, and strategic skills in grant writing. By researching grant funders, developing a grant narrative, practicing boilerplate grant language, writing a realistic budget, and strategizing project implementation, students will become proficient in all aspects of professional grant writing. Prerequisites: FYSE-100 or an equivalent course. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL290 - Aesthetics and Interpretation

Course Details

Subject Code	Course Number	Department(s)
ENGL	290	English & Creative Writing

Course Title
Aesthetics and Interpretation

Course Description
Intensive and advanced study of reading and writing about literature. Includes close analysis of literary texts in historic, generic and cultural contexts; study of research methods and writing the research paper; and attention to traditional and recent critical theory. Prerequisite: English or creative writing major or sophomore standing. 4 SH. CC: Artistic Expression, Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Interdisciplinary (DISCP), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

ENGL295 - Voice and Audience

Course Details

Subject Code	Course Number	Department(s)
ENGL	295	English & Creative Writing

Course Title
Voice and Audience

Course Description
This course introduces students to academic writing in English studies by exploring varied models of successful scholarly writing. Emphasis is placed on students developing the skills and strategies writers need in order to participate effectively in the diverse conversations that define this field. Prerequisite: FYSE-100 or equivalent course. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL296 - A Handmade Web

Course Details

Subject Code	Course Number	Department(s)
ENGL	296	English & Creative Writing

Course Title
A Handmade Web

Course Description
This workshop-based course introduces students to the foundational languages of the web (HTML, CSS, and JavaScript) through a series of creative coding assignments. Students approach web development as a literary and artistic practice, producing original digital works such as hypertext narratives, interactive texts, and poetic remixes. Readings in electronic literature and critical theory support students' exploration of how digital publishing intersects with literary theory, authorship, and identity. No prior programming experience required. Prerequisite: Prerequisites: FYSE-100 or an equivalent course; and ENGL-190. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL297 - Writing and Editing Podcasts

Course Details

Subject Code	Course Number	Department(s)
ENGL	297	English & Creative Writing

Course Title
Writing and Editing Podcasts

Course Description
Students gain hands-on experience in digital publishing and storytelling by contributing to Me/Us/U, a publicly circulated podcast. Working in teams and engaging a variety of analytical and writing practices, students brainstorm, record, edit, and publish a series of podcast episodes that circulate on Apple Podcasts and other podcasting platforms. Prerequisites: FYSE-100 or an equivalent course; and ENGL-190. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL298 - Book Reviewing

Course Details

Subject Code	Course Number	Department(s)
ENGL	298	English & Creative Writing

Course Title
Book Reviewing

Course Description
An introduction to and an intensive, rigorous workshop in the basic forms of book reviewing: the short book review, the review essay, and the longer literary critical essay. The course builds on the writing skills students have learned in ENGL-100 and 200-level courses in literature, and it includes intensive reading in the forms listed above. Prerequisite: Sophomorere standing and FYSE-100 or an equivalent course. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL299 - Professional & Civic Writing

Course Details

Subject Code
ENGL

Course Number
299

Department(s)
English & Creative Writing

Course Title
Professional & Civic Writing

Course Description
This course offers experience in the theory and practice of professional writing (writing that occurs in the workplace, especially in businesses, in government, and for nonprofits). While the course is required for students in the Publishing and Editing emphasis of the Department of English and Creative Writing, students from other majors are welcome. Students will first choose a company or organization for which they would like to write. They will then gain experience writing a wide range of genres such as letters and memos; feature stories, interviews, and biographical sketches; press kits; flyers and brochures; and proposals. We also will study the theory of professional writing, including how genres (generally seen as set formulas) evolve over time in response to changing situations; how genres engage power relations; and how genres can be made more open to divergent points of view. Prerequisite: FYSE-100 or an equivalent course. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL350 - Studies in Major Authors

Course Details

Subject Code
ENGL

Course Number
350

Department(s)
English & Creative Writing

Course Title
Studies in Major Authors

Course Description
A study of literary works by a single author or perhaps of two writers whose works may be studied in tandem. By reading a number of texts by a single author, students will come to understand individual works better and will gain insight into the author's particular vision and sense of literary craft. Offerings are likely to include Chaucer, Shakespeare, Milton, Twain, Austen, Dickinson and Morrison. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL355 - Studies in Anglophone Literature

Course Details

Subject Code
ENGL

Course Number
355

Department(s)
English & Creative Writing

Course Title
Studies in Anglophone Literature

Course Description
A study of literature written originally in English by writers from countries other than the United States and Britain. The course may include writers from Canada, Ireland, the Indian subcontinent, the Caribbean and English-speaking countries in Africa. Satisfies Multicultural/Non-Western requirement. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL360 - Community Partners Guided Writing Intern

Course Details

Subject Code
ENGL

Course Number
360

Department(s)
English & Creative Writing

Course Title
Community Partners Guided Writing Intern

Course Description
Students in this course work with the professor and your peers to fulfill a writing project with a local business, government office, nonprofit, or charitable organization. For this course and its internships, local partners have already worked with faculty to determine meaningful writing projects that further the mission of the partner, although students may cultivate their own partners and projects with faculty permission. Class time covers practical writing strategies, theories of community partnership and community organization, and peer review of each other's writing project drafts. Students will produce a portfolio that they can share when pursuing future work positions; reflect on their interests and future professional goals; practice transferring classroom skills toward professional aims; benefit from a structured framework that helps them develop problem-solving skills, interpersonal communication, professional collegiality, and self-confidence in a professional environment; and work alongside supervisors who are passionate about their work and dedicated to your professional development. Prerequisites: FYSE-100 or an equivalent course; and either ENGL-289 or ENGL-299 and permission of the instructor. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Internship (INTRN), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ENGL361 - Studies in Literary Forms

Course Details

Subject Code	Course Number	Department(s)
ENGL	361	English & Creative Writing

Course Title
Studies in Literary Forms

Course Description
Advanced courses designed to examine the formal characteristics of a genre as well as the historical factors influencing its development or manifestation at any given moment, and the theoretical approaches to understanding the genre. The focus of a particular section may be the novel, short story, drama, poetry, the essay, or autobiography. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL365 - Studies in Literature and Gender

Course Details

Subject Code	Course Number	Department(s)
ENGL	365	English & Creative Writing

Course Title
Studies in Literature and Gender

Course Description
Courses exploring such topics as women in literature, literature by women, literature and sexuality, the construction of gender in literature and feminist literary theory. Same as WGST-365. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL370 - SU Press

Course Details

Subject Code	Course Number	Department(s)
ENGL	370	English & Creative Writing

Course Title
SU Press

Course Description
An advanced experiential learning course where students apply editing, design, and business theories to hands-on practice. Students work for SU Press, a professional publisher that seeks to bridge the gap between the creative and business sides of the industry. Students gain real-world experience in copyediting, proofreading, cover design, typesetting, web development, marketing, management, accounting, and strategic planning. They also learn how to market their skill sets toward a variety of career paths. Prerequisites: FYSE-100 or an equivalent course; ENGL-190; and one of the following: ENGL-296, WRIT-270 or ENGL-297. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL375 - History of the Book

Course Details

Subject Code	Course Number	Department(s)
ENGL	375	English & Creative Writing

Course Title
History of the Book

Course Description
In this course we will study the book as a material object, a concrete text that is produced, sold, circulated, and read. More broadly, we will address the wider social and political pressures that have shaped book production as well as the social and political consequences of producing books and other media. We will first examine manuscripts and manuscript culture through a consideration of the New Testament's publication history. We will then shift our attention to the medium of print. As a class, we will study the wider implications of the invention of the printing press. What effect, for instance, did print have upon literacy, the rise of natural science, the transformation of religion, and the twin concepts of authorship and literary property (copyright)? How did censorship constrain what writers, printers, and booksellers were able to publish? Finally, we will study the Internet as an engine of change. In many scholars' estimation, the Internet will have a more profound impact upon society than did the printing press. We will try to gauge this impact and to appraise the ways in which hypertext is changing literature, journalism, and, what's more, how we read and write. Early Period. Pre-requisite: Sophomore standing. 4 SH.

Course Types
Standard (STAND), Early Period - Literature (LITEP)

Semester Hours

Semester Hours:
4

ENGL381 - Adv Comp: Rhetoric & the Environment

Course Details

Subject Code	Course Number	Department(s)
ENGL	381	English & Creative Writing

Course Title
Adv Comp: Rhetoric & the Environment

Course Description
An interdisciplinary workshop course focusing on the environment. Students explore the way scientists' knowledge, methods, and values have informed public rhetoric and scholarly rhetorical criticism, as well as the ways that rhetorical criticism and awareness have in turn had an impact on scientific discourse. Fundamental to the course is the crafting of students' written arguments in response to readings and personal involvement with environmental issues. The process of writing these arguments is informed by research from the field of composition and models the best practices of that field, making this course useful for future teachers and professional writers, as well as to those who are interested in environmental issues. Prerequisite: Sophomore standing. 4 SH. CC: Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL382 - Reading/Writing/Teaching Difference

Course Details

Subject Code	Course Number	Department(s)
ENGL	382	English & Creative Writing

Course Title
Reading/Writing/Teaching Difference

Course Description
Students explore the ways that difference impacts everyone's--students', instructors', and others'--experiences of reading, writing, and teaching/learning. "Difference" includes, among other factors, gender, race, class, religion, ability, sexuality, and national origin. This interdisciplinary course uses readings and concepts from the fields of education, literature, and composition and rhetoric. Students will apply these concepts and readings to their own or to others' reading, writing, and learning experiences inside and/or outside of the traditional classroom. Prerequisite: Sophomore standing and FYSE-100 or an equivalent course. 4 SH. CC: Interdisciplinary, Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

ENGL383 - Peer Tutoring in Writing

Course Details

Subject Code	Course Number	Department(s)
ENGL	383	English & Creative Writing

Course Title
Peer Tutoring in Writing

Course Description
This class introduces students to the theory, research, and practices of writing tutoring by engaging with scholarship in writing studies while providing practical experience by providing tutoring support in the Writing Center @ The Center for Academic Success or in embedded placements in First Year Seminar (FYSE) or Writing Intensive (WI) classes across the curriculum. Students will explore theories of learning writing, supporting student writers, and developing their own mentoring and leadership styles. Prerequisites: FYSE-100 or equivalent course; and Instructor Permission. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

ENGL385 - Making Democracy Work

Course Details

Subject Code	Course Number	Department(s)
ENGL	385	English & Creative Writing

Course Title
Making Democracy Work

Course Description
In these polarized times, how can citizens learn to cooperate or communicate across political camps and parties? We will learn rhetorical concepts that help us create better dialog and more carefully judge the political claims made by others. Students are encouraged to bring their own interests across majors, political parties, and ethical concerns. They will choose political issues at the local, regional, national, or international levels, research those issues and their current messaging, and then craft better messages to achieve their chosen goals. All majors and student levels are welcome. No prior knowledge is needed. Prerequisites: FYSE-100 or equivalent course. CC: Ethics Intensive, Writing Intensive. 4 SH.

Course Types
Standard (STAND), Writing Intensive (INWRT), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

ENGL388 - Publishing: Ethics/Art/Politics

Course Details

Subject Code	Course Number	Department(s)
ENGL	388	English & Creative Writing

Course Title
Publishing: Ethics/Art/Politics

Course Description
This course explores the cultural, political and commercial functions of publishing. We explore how published texts ask us to take on certain ethical roles as art critics, citizens and consumers. We start by reading Addison and Steele's Spectator; next we examine Jurgen Haberma's theory that newspapers' publication of literary criticism helped enable democratic government; finally, we consider the ways changes in marketing, new formats like the Internet and increases in profitability have obscured the political purposes that may have been served in publishing. Pre-requisite: Junior standing; Publishing & Editing majors and minors; ENGL-190; at least 8 SH at 200-level or above; FYSE-100 or equivalent course. 4 SH. Capstone. CC: Ethics Intensive, Writing Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

ENGL390 - Special Themes and Topics

Course Details

Subject Code	Course Number	Department(s)
ENGL	390	English & Creative Writing

Course Title
Special Themes and Topics

Course Description
Occasional offerings of specialized courses exploring subjects of serious interest to faculty members and to students. 4 SH. CC: Writing Intensive. When the topic being offered is Race and Identity in U.S. Literature, the course is Diversity Intensive and Ethics Intensive but not Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL397 - Digital Publishing

Course Details

Subject Code	Course Number	Department(s)
ENGL	397	English & Creative Writing

Course Title
Digital Publishing

Course Description
This course provides an introduction to the theories, platforms, and tools of digital publishing. Students will learn about the various formats and technologies used in digital publishing, including e-books, audiobooks, and web publishing. They will explore the tools and techniques used to create, design, and distribute digital content. Prerequisites: FYSE-100 or an equivalent course; ENGL-190; and one of the following: ENGL-296, WRIT-270, or ENGL-297. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENGL420 - Prof & Civic Writing Capstone

Course Details

Subject Code	Course Number	Department(s)
ENGL	420	English & Creative Writing

Course Title
Prof & Civic Writing Capstone

Course Description
The capstone course brings together student work from various classes, emphasizing especially their research, writing, and project-management skills. We use reflection on these prior in-class and of-class experiences to prepare for our first professional positions after college; we also consider how these past experiences prepare us to be better members of our civic communities, considering the ethical ramifications of various writing practices. Prerequisite: Junior standing; Publishing & Editing majors and minors; ENGL-190; at least 8 SH at 200-level or above; and FYSE-100 or equivalent course. Capstone. CC: Ethics Intensive, Writing Intensive. 4SH

Course Types
Standard (STAND), Ethics Intensive (INETH), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

ENGL440 - Applied Knowledge in the Discipline

Course Details

Subject Code	Course Number	Department(s)
ENGL	440	English & Creative Writing

Course Title
Applied Knowledge in the Discipline

Course Description
The capstone course for the major focuses on post-graduate preparation and applying knowledge and skills to projects related to core subjects in the discipline: reading, writing, critical thinking, and producing and transmitting cultural knowledge. Prerequisites: Senior standing for literature track; junior or senior standing for secondary-education track; and at least eight hours at 200 level or above. 4 SH. Capstone. CC: Writing Intensive

Course Types
Standard (STAND), Capstone (CAPS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENGL500 - Directed Reading and Research

Course Details

Subject Code	Course Number	Department(s)
ENGL	500	English & Creative Writing

Course Title
Directed Reading and Research

Course Description
Independent research and writing under the supervision of an appropriate member of the department. Prerequisites: 24 semester hours in ENGL-200 and 300-level courses, 48 total semester hours with at least a 3.0 GPA in the major and department approval. 2-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

ENGL505 - Independent Study

Course Details

Subject Code	Course Number	Department(s)
ENGL	505	English & Creative Writing

Course Title
Independent Study

Course Description
Independent research and writing under the supervision of an appropriate member of the department. Prerequisites: 24 semester hours in ENGL 200- and 300-level courses, 48 total semester hours with at least a 3.0 GPA in the major, and departmental approval. 2-4 SH.

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

ENGL520 - Practicum

Course Details

Subject Code	Course Number	Department(s)
ENGL	520	English & Creative Writing

Course Title
Practicum

Course Description
Applied projects in language, literature or craft, including supervised work in literacy projects, in writing projects, at public and school libraries, in shelters and in public institutions. The Susquehanna University Office of Volunteer Programs provides contacts. May apply for major or minor credit to a maximum of four semester hours, depending on the nature of the project. Prerequisites: 24 semester hours in ENGL 200- and 300-level courses, 48 total semester hours with at least a 3.0 GPA in the major, and departmental approval. S/U grade. 2-4 SH.

Course Types
Practicum (PRACT)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

ENGL540 - Internship

Course Details

Subject Code
ENGL

Course Number
540

Department(s)
English & Creative Writing

Course Title
Internship

Course Description
Research, writing and editing for various public and private organizations, and various on and off campus publications. Open only when positions are available. May apply for major or minor credit to a maximum of four semester hours, depending on the nature of the internship. Prerequisites: 24 semester hours in ENGL 200- and 300-level courses, 48 total semester hours with at least a 3.0 GPA in the major and department approval. 2-4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

WRIT200 - Intro to Creative Writing

Course Details

Subject Code
WRIT

Course Number
200

Department(s)
English & Creative Writing

Course Title
Intro to Creative Writing

Course Description
In this course, students write stories, poems and creative non-fiction. As T.S. Eliot teaches us in "Tradition and the Individual Talent," there is no ultimate separation between understanding and practicing an art. By studying published authors, we will learn about the forms, techniques, elements, and processes associated with writing a work of literature. By composing original creative work-in playing with form, voice, structure, character, image, setting, and in undertaking processes like idea development, writing first drafts, getting and receiving peer and professional feedback, and revision and editing-we will become more skilled readers and critics. This course should not be taken by creative writing majors. Prerequisites: Sophomore standing or second-semester students who have successfully completed Writing and Thinking. 4 SH. CC: Literary Expression, Writing Intensive.

Course Types
Standard (STAND), Literary Expression (LITEX), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

WRIT240 - Introduction to Genre Writing

Course Details

Subject Code
WRIT

Course Number
240

Department(s)
English & Creative Writing

Course Title
Introduction to Genre Writing

Course Description
This workshop writing course introduces students to the craft of various types of writing, including screenwriting, children's literature, and science fiction. Genres may vary, depending on semester and instructor expertise. 4 SH. CC: Artistic Expression when the topic is Experimental Writing.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

WRIT241 - Environmental Writing

Course Details

Subject Code
WRIT

Course Number
241

Department(s)
English & Creative Writing

Course Title
Environmental Writing

Course Description
In this hands-on course students will develop creative writing projects around specific, local, environmentally important/precarious sites. In doing so, students will perform both traditional academic (scientific/historical) and experiential (place-based/creative) research that evolves into works of poetry, fiction, creative non-fiction, or cross-genre work. In this course you will dwell in the space between and including environmental studies and creative writing, developing your own voice and vision as witness to environmental change and trauma. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

WRIT250 - Topics in Creative Writing

Course Details

Subject Code	Course Number	Department(s)
WRIT	250	English & Creative Writing

Course Title
Topics in Creative Writing

Course Description
Introductory workshop course in the study and practice of genre topics other than fiction, poetry, and creative nonfiction. 4 SH. CC: Writing Intensive. May be repeated as long as the topic changes.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

WRIT251 - Introduction to Fiction

Course Details

Subject Code	Course Number	Department(s)
WRIT	251	English & Creative Writing

Course Title
Introduction to Fiction

Course Description
Introductory workshop course in the study and practice of fiction. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

WRIT252 - Introduction to Poetry

Course Details

Subject Code	Course Number	Department(s)
WRIT	252	English & Creative Writing

Course Title
Introduction to Poetry

Course Description
Introductory workshop course in the study and practice of poetry. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

WRIT253 - Introduction to Creative Nonfiction

Course Details

Subject Code	Course Number	Department(s)
WRIT	253	English & Creative Writing

Course Title
Introduction to Creative Nonfiction

Course Description
Introductory workshop course in the study and practice of creative nonfiction. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

WRIT260 - The Choreopoem

Course Details

Subject Code	Course Number	Department(s)
WRIT	260	English & Creative Writing

Course Title
The Choreopoem

Course Description
Inspired by the original choreopoem by Ntozake Shange, this course introduces the choreopoem form, investigating the concept of the living text as it applies to collaboration across multiple disciplines. Using literary analysis, creative writing, and theatre, students research the choreopoem form, write one as a class, and publicly perform it, reflecting on the tension of intention vs. impact in performance spaces. Sophomore or higher standing required. (Same as AFRC-260 and THEA-260.) 4 SH. CC: Interdisciplinary, Diversity Intensive, Team Intensive.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

WRIT270 - Small Press Publishing and Editing

Course Details

Subject Code	Course Number	Department(s)
WRIT	270	English & Creative Writing

Course Title
Small Press Publishing and Editing

Course Description
An introductory workshop course in the study and practice of publishing and editing for small presses; includes both historical study of the industry and hands-on publishing and editing projects. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

WRIT350 - Intermediate Creative Writing

Course Details

Subject Code	Course Number	Department(s)
WRIT	350	English & Creative Writing

Course Title
Intermediate Creative Writing

Course Description
An intensive, rigorous discussion of student writing in a workshop atmosphere. This course builds upon what students learned in WRIT-250 Introduction to Creative Writing. It includes intensive reading of literature in the genre being studied. Special emphasis on the development of a body of work. Genre topics include all those other than fiction, poetry, and creative nonfiction. Prerequisite: WRIT-250 or instructor's permission. 4 SH. CC: Literary Expression, Team Intensive, Writing Intensive. May be repeated as long as the topic changes.

Course Types
Standard (STAND), Writing Intensive (INWRT), Literary Expression (LITEX)

Semester Hours

Semester Hours:
4

WRIT351 - Intermediate Fiction

Course Details

Subject Code	Course Number	Department(s)
WRIT	351	English & Creative Writing

Course Title
Intermediate Fiction

Course Description
An intensive, rigorous discussion of student writing in a workshop atmosphere. This course builds upon what students learned in WRIT-250 Introduction to Fiction. It includes intensive reading of fiction. Special emphasis on the development of a body of work. Prerequisite: WRIT-251 or instructor's permission. 4 SH. CC: Writing Intensive. May be repeated as long as the topic changes.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

WRIT352 - Intermediate Poetry

Course Details

Subject Code	Course Number	Department(s)
WRIT	352	English & Creative Writing

Course Title
Intermediate Poetry

Course Description
An intensive, rigorous discussion of student writing in a workshop atmosphere. This course builds upon what students learned in WRIT-250 Introduction to Poetry. It includes intensive reading of poetry. Special emphasis on the development of a body of work. Prerequisite: WRIT-252 or instructor's permission. 4 SH. CC: Writing Intensive. May be repeated as long as the topic changes.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

WRIT353 - Intermediate Nonfiction

Course Details

Subject Code	Course Number	Department(s)
WRIT	353	English & Creative Writing

Course Title
Intermediate Nonfiction

Course Description
WRIT-353 Intermediate Creative Nonfiction An intensive, rigorous discussion of student writing in a workshop atmosphere. This course builds upon what students learned in WRIT-253 Introduction to Creative Nonfiction. It includes intensive reading of creative nonfiction. Special emphasis on the development of a body of work. Prerequisite: WRIT-253 or instructor's permission. 4 SH. CC: Writing Intensive. May be repeated as long as the topic changes.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

WRIT450 - Advanced Creative Writing

Course Details

Subject Code	Course Number	Department(s)
WRIT	450	English & Creative Writing

Course Title
Advanced Creative Writing

Course Description
An intensive, rigorous discussion of student writing in a workshop atmosphere, along with intensive reading in the genre. Special emphasis on the development of a significant body of work in preparation for an understanding of what is required to write a book in the genre being studied. Genre topics include all those other than fiction, poetry, and creative nonfiction. Prerequisite: WRIT-350 or instructor's permission. 4 SH. May be repeated.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

WRIT451 - Advanced Fiction

Course Details

Subject Code	Course Number	Department(s)
WRIT	451	English & Creative Writing

Course Title
Advanced Fiction

Course Description
An intensive, rigorous discussion of student writing in a workshop atmosphere, along with intensive reading in fiction. Special emphasis on the development of a significant body of work in preparation for an understanding of what is required to write a fiction book. Prerequisite: WRIT-351 or instructor's permission. 4 SH. May be repeated.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

WRIT452 - Advanced Poetry

Course Details

Subject Code
WRIT

Course Number
452

Department(s)
English & Creative Writing

Course Title
Advanced Poetry

Course Description
An intensive, rigorous discussion of student writing in a workshop atmosphere, along with intensive reading. Special emphasis on the development of a significant body of work in preparation for an understanding of what is required to write a poetry book. Prerequisite: WRIT-352 or instructor's permission. 4 SH. May be repeated.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

WRIT453 - Advanced Creative Nonfiction

Course Details

Subject Code
WRIT

Course Number
453

Department(s)
English & Creative Writing

Course Title
Advanced Creative Nonfiction

Course Description
An intensive, rigorous discussion of student writing in a workshop atmosphere, along with intensive reading. Special emphasis on the development of a significant body of work in preparation for an understanding of what is required to write a creative nonfiction book. Prerequisite: WRIT-353 or instructor's permission. 4 SH. May be repeated.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

WRIT500 - Independent Study

Course Details

Subject Code
WRIT

Course Number
500

Department(s)
English & Creative Writing

Course Title
Independent Study

Course Description
Independent research and writing under the supervision of an appropriate member of the department. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

WRIT520 - Practicum

Course Details

Subject Code
WRIT

Course Number
520

Department(s)
English & Creative Writing

Course Title
Practicum

Course Description
Applied projects in writing under the supervision of an appropriate member of the department. Prerequisites: 24 semester hours in WRIT 200 and 300-level courses, 48 semester hours with at least a 3.0 GPA in the major, and departmental approval. 0-4 SH.

Course Types
Practicum (PRACT)

Semester Hours

Semester Hours:
0

Credit Hours Max:
4

WRIT540 - Internship

Course Details

Subject Code
WRIT

Course Number
540

Department(s)
English & Creative Writing

Course Title
Internship

Course Description
Research, writing and editing for various public and private organizations, and various on and off campus publications. Open only when positions are available. 0-4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
0

Credit Hours Max:
4

WRIT550 - Senior Seminar

Course Details

Subject Code
WRIT

Course Number
550

Department(s)
English & Creative Writing

Course Title
Senior Seminar

Course Description
The capstone course for all creative writing majors (and interested creative writing minors). Students will prepare a portfolio of their written work with the expectation of the portfolio going "public," that is, meeting the demands of graduate school, employment, or the marketplace. Required for senior creative writing majors; others by successful completion of WRIT-350. 4 SH.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

WRIT590 - Departmental Honors

Course Details

Subject Code
WRIT

Course Number
590

Department(s)
English & Creative Writing

Course Title
Departmental Honors

Course Description
Completion of a suitable portfolio of fiction, poetry, drama or creative nonfiction, by invitation of the department only, and in accordance with departmental honors guidelines. 4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
4

Environmental Studies Department

Faculty Coordinator

Drew Hubbell, Ph.D., Associate Professor of English

Programs

Environmental Studies (BA)

About the Program

Program Title
Environmental Studies (BA)

Degree
Bachelor of Arts

Program Code
ENST.BA

Program Description
Environmental studies is an interdisciplinary program that allows students to study environmental problems from multiple disciplinary perspectives. Drawing on courses from the departments of Earth and Environmental Sciences, Political Science, English & Creative Writing, Economics, Religious Studies, Sociology and Anthropology, and others, students develop a holistic, applied approach to environmental problem-solving.

Learning Goals
- Students will be able to use interdisciplinary knowledge and skills to explain the interrelated scientific, political, economic, ethical, and human dimensions of environmental issues
- Students will be able to communicate a position on complex environmental problems and explain its tradeoffs to various stakeholders
- Students will develop critical thinking, research, writing, and analytical skills
- Students will be able to use various technologies and methods of gathering and analyzing data relevant to understanding complex, interrelated environmental issues, while also being able to explain the cost/benefit of each method or technology

Double-counting Restriction
Students in the Environmental Studies major may double-count a maximum of 20 semester hours toward another major or minor.

Departmental honors requirements
To graduate with honors, environmental studies majors must:
• Maintain a cumulative GPA of 3.25 and a GPA of 3.50 in the program,
• Request nomination from the ENST program coordinator at the beginning of their senior year and
• Complete and publicly present an honors-quality project at the Senior Scholars' Day in the spring of their senior year.

Program Requirements

Requirements
To earn the B.A. in environmental studies students must complete 62 semester hours of coursework, all with grades of C- or higher. All majors must complete 50 semester hours of program foundation courses and 12 semester hours of electives.

48-52 Foundation

4 EENV-101 Environmental Science **or** ECOL-100 Introduction to Ecology **or** BIOL-101 Ecology and Evolution **or** BIOL-010 Issues in Biology when the topic is one of the following: Biology of Climate Change, Conservation Biology, Environmental Biology, or Human Ecology

4 EENV-105 Energy and the Environment or EENV-332 Sustainable Energy Resources

4 ENST-110 Sustainability and Society

4 ECON-105 Elements of Economics

NOTE: ECON-201 Principles of Macroeconomics or ECON 202 Principles of Microeconomics may be substituted for ECON -105 with approval of the Program Coordinator.

4 ECOL-/BIOL-220 Biostatistics

4 ENST-201 Environmental Humanities

4 EENV-242 Climate and Global Change

4 POLI-212 Introduction to Public Policy

4 RELI-235 Environmental Ethics or PHIL-226 Philosophy, Ethics and the Environment

4 ENST-301 Current Topics in Environmental Studies

4 ENST-335 Environmental Laws and Regulations

4 ENST-505 Environmental Studies Community Project

0-4 Internship (must be approved by Program Coordinator)

12 Electives: Students must complete 12 semester hours forming a cohesive focus, with advisor approval. No more than 4 semester hours may be taken at the 100-level or lower, and at least 4 semester hours must be taken at the 300-level or higher. It is not necessary for students to complete all 12 semester hours from the same category.

Biology/Ecology/Earth Sciences

4 BIOL-332 Population Biology ***and*** BIOL 333 Population Biology Lab

2 BIOL-560 Interdisciplinary Explorations in Biology when the topic is Sustainable Food Systems, Biology of Invasive Species, Amphibian Population Decline, or Biology of Climate Change

4 ECOL-201 Community and Ecosystems Ecology

4 ECOL-408 Aquatic Ecology and ECOL-409 Aquatic Ecology Lab

4 EENV-131 Oceanography

4 EENV-220 Water Resources

4 EENV-313 The Susquehanna River

4 EENV-360 Geographic Information Systems

4 EENV-383 Soil Science

Cultural Studies

4 ENGL-205 Literature Studies when the topic is Climate Change Narratives or Shakespeare and the Environment

4 ENGL-390 Special Themes and Topics, when the topic is Sustainability Literature

4 ENST-117 American Environmental History

4 HIST-324 Pennsylvania's Pasts and Their Publics

4 PHIL-125 Justice

4 PHIL-150 Race, Class, and Ethics

4 RELI-105 World Religions

4 RELI-208 Buddhism

4 RELI-305 Topics, when the topic is Eco-Theology

Economics/Business

4 BSAN-174 Data Collection and Modeling

4 BSAN-472 Data Insight and Visualization

4 ECON-201 Principles of Macroeconomics (if not taken for Foundation credit)

4 ECON-202 Principles of Microeconomics (if not taken for Foundation credit)

4 ECON-313 Intermediate Microeconomics Theory

4 ECON-335 Economic Development

4 ECON-338 International Political Economy

4 ECON-373 Political Economic Thought

4 MGMT-230 Entrepreneurship and Innovation

4 MGMT-240 Principles of Management

4 MGMT-290 Non-Profit Management

4 MGMT-333 New Ventures and Corporate Innovation

4 MGMT-373 Managing for Sustainability

4 MGMT-437 Social and Sustainable Entrepreneurship

Political Science

4 POLI-111 American Government and Politics

4 POLI-215 Law and Politics

4 POLI-334 International Organizations and Law

4 POLI-352 Environmental Policy

Public Relations

4 COMM-211 Introduction to Advertising and Public Relations

4 COMM-314 Public Relations Writing and Campaigns

4 COMM-321 Crisis Management

Sociology/Anthropology/Psychology

4 ANTH-152 Public Culture

4 ANTH-162 Introduction to Anthropology

4 ANTH-310 National, Transnational, Diasporic Communities

4 ANTH-311 Regulating Bodies: Food, Sex, Drugs and the Economy

4 ANTH-350 Multispecies Ethnography

4 PSYC-232 Environmental Psychology

4 SOCI-320 Environmental Sociology

4 SOCI-413 Critical Race Theory

Environmental Studies Minor

About the Program

Program Title
Environmental Studies Minor

Program Code
MINR.ENST

Program Description
Environmental studies is an interdisciplinary program that allows students to study environmental problems from multiple disciplinary perspectives. Drawing on courses from the departments of Earth and Environmental Sciences, Political Science, English & Creative Writing, Economics, Religious Studies, Sociology and Anthropology, and others, students develop a holistic, applied approach to environmental problem solving.

Learning Goals
- Students will be able to use interdisciplinary knowledge and skills to explain the interrelated scientific, political, economic, ethical, and human dimensions of environmental issues
- Students will be able to communicate a position on complex environmental problems and explain its tradeoffs to various stakeholders
- Students will develop critical thinking, research, writing, and analytical skills
- Students will be able to use various technologies and methods of gathering and analyzing data relevant to understanding complex, interrelated environmental issues, while also being able to explain the cost/benefit of each method or technology

Double-counting Restriction
Only 8 semester hours of this minor may be double-counted toward the student's major or another minor.

Program Requirements

Requirements
The minor in environmental studies requires 24 semester hours. Only courses completed with a grade of C- or higher may be counted toward the minor. No more than 8 semester hours may be taken at the 100-level or lower.

Courses applied to the environmental studies minor must include the following (see below for detailed lists):

· Introductory (100-level) environmental science, biology, or ecology (4 SH)

· Upper-level (200-level or higher) environmental science, biology, or ecology (4 SH)

· Political science, law, or economics (4 SH)

· English, philosophy, religious studies, sociology/anthropology, or creative writing (4 SH)

· Sustainability Electives list (4 SH)

· ENST-301 Current Topics in Environmental Studies (4 SH)

4 Introductory (100-level) environmental science, biology, or ecology courses:

EENV-101 Environmental Science

EENV-105 Energy and the Environment

EENV-131 Oceanography

ECOL-100 Introduction to Ecology

BIOL-101 Ecology and Evolution

BIOL-010 Issues in Biology (when the topic is one of the following: Biology of Climate Change, Conservation Biology, Environmental Biology, or Human Ecology only)

4 Upper-level (200-level or higher) environmental science, biology, or ecology courses:

EENV-220 Water Resources

EENV-242 Climate and Global Change

EENV-313 The Susquehanna River

EENV-332 Sustainable Energy Resources

EENV-383 Soil Science

BIOL-332 Population Biology **and** BIOL-333 Population Biology Lab

BIOL-560 Sustainable Food Systems

BIOL-560 Biology of Invasive Species

BIOL-560 Biology of Climate Change

ECOL-201 Community and Ecosystems Ecology

ECOL-408 Aquatic Ecology and

ECOL-409 Aquatic Ecology Lab

4 Political science, law, or economics courses:

ECON-105 Elements of Economics

ECON-201 Principles of Macroeconomics

ECON-202 Principles of Microeconomics

ECON-313 Intermediate Microeconomics Theory

ECON-335 Economic Development

ECON-373 Political Economic Thought

ECON-338 International Political Economy

ENST-335 Environmental Laws and Regulations

POLI-212 Introduction to Public Policy

POLI-215 Law and Politics

POLI-334 International Organizations and Law

POLI-352 Environmental Policy

4 English, philosophy, religious studies, or sociology/anthropology:

ANTH-152 Public Culture

ANTH-311 Regulating Bodies: Food, Sex, Drugs and the Economy

ANTH-350 Multispecies Ethnography

ENGL-205 Climate Change Narratives

ENGL-205 Shakespeare and the Environment

ENST-201 Environmental Humanities

PHIL-125 Justice

PHIL-150 Race, Class, and Ethics

PHIL-226 Philosophy, Ethics and the Environment

RELI-208 Buddhism

RELI-235 Environmental Ethics

RELI-305 Topics, when the topic is Eco-Theology

SOCI-316 Social Justice

SOCI-320 Environmental Sociology

SOCI-320 Environmental Sociology

SOCI-413 Critical Race Theory WRIT-241 Environmental Writing

4 Sustainability course from the following:

BSAN-174 Data Collection and Modeling

EENV-360 Geographic Information Systems

ENGL-390 Special Themes and Topics, when the theme is Sustainability Literature

ENST-110 Sustainability and Society

ENST-117 American Environmental History

MGMT-373 Managing for Sustainability

MGMT-437 Social and Sustainable Entrepreneurship

PSYC-232 Environmental Psychology

4 ENST-301 Current Topics in Environmental Studies

Courses

ENST110 - Sustainability and Society

Course Details

Subject Code
ENST

Course Number
110

Department(s)
Environmental Studies

Course Title
Sustainability and Society

Course Description
This course introduces students to the three pillars of sustainability: environmental conservation, economic development, and social equity. Through the lens of sustainable resilience, students will analyze social and infrastructure systems and critically examine sustainable solutions' impact on society. Class discussions, hands-on exercises, and a team-based project will result in a broad understanding of societal systems, their interconnectedness, and the sustainability challenges our world faces. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENST117 - American Environmental History

Course Details

Subject Code
ENST

Course Number
117

Department(s)
Environmental Studies

Course Title
American Environmental History

Course Description
Introduction to topics and methods of environmental history. An interdisciplinary study of the mutual relationships between humans and nature through time. Examines American environmental history from Native American ecology and European contact in the 16th century through urbanization and industrialization, and consequent problems of pollution and resource conservation in the 20th century. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

ENST201 - Environmental Humanities

Course Details

Subject Code
ENST

Course Number
201

Department(s)
Environmental Studies

Course Title
Environmental Humanities

Course Description
A practical, accessible guide to the power of the arts and humanities for understanding and addressing human-caused environmental problems, including climate change, deforestation, species extinction, pandemics, and environmental injustice. The course takes a global, historical view of these problems, emphasizing their impact on human diversity, geopolitical and economic power, and struggles for equity and justice. Projects and research engage students in using the humanities and arts to advance sustainable, just solutions that reimagine the human role in Earth's future. 4 SH. CC: Interdisciplinary, Diversity, Writing Intensive. Second year standing or permission of the instructor. Not restricted to ENST majors or minors.

Course Types
Interdisciplinary (DISCP), Diversity (DVERS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

ENST301 - Current Topics in Environmental Studies

Course Details

Subject Code
ENST

Course Number
301

Department(s)
Environmental Studies

Course Title
Current Topics in Environmental Studies

Course Description
An in-depth analysis of a current environmental issue. The topic will be explored through an integration of disciplines, including science, ethics, economics, policy, law, and literature, as well as the role of citizen activism. Prerequisite: Sophomore standing or permission of the instructor. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENST335 - Environmental Laws & Regulations

Course Details

Subject Code
ENST

Course Number
335

Department(s)
Environmental Studies

Course Title
Environmental Laws & Regulations

Course Description
Surveys important state and federal environmental legislation, the principles on which these laws are founded, and the problems that arise in their practical application. Employs case studies to illustrate the way in which environmental laws function in contemporary American society. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

ENST400 - Independent Study

Course Details

Subject Code
ENST

Course Number
400

Department(s)
Environmental Studies

Course Title
Independent Study

Course Description
Individual and in-depth study of a specialized topic under a faculty member's direction. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

ENST410 - Internship

Course Details

Subject Code
ENST

Course Number
410

Department(s)
Environmental Studies

Course Title
Internship

Course Description
This learning experience cultivates a student's professional development. Students work at a private industry, public agency, or institute in an environment-related field under professional supervision. GO Your Own Way internships and service learning in environmental conservation fields are also encouraged. The student, employer and the department internship coordinator must complete the Student Learning Contract before the end of the drop/add deadline. Oral or written presentations and employer's written evaluation are required for credit. Prerequisites: Faculty advisor's permission, approval of Program Director, acceptance by organization, completed Internship Student Learning Contract. Graded S/U. 0-4 SH.

Course Types
Standard (STAND), Internship (INTRN)

Semester Hours

Semester Hours:
0

Credit Hours Max:
4

ENST505 - Environmental Studies Community Project

Course Details

Subject Code
ENST

Course Number
505

Department(s)
Environmental Studies

Course Title
Environmental Studies Community Project

Course Description
A capstone course for Environmental Studies majors. Students complete a community-based project that addresses an ongoing environmental issue. This course emphasizes the development of effective research, stakeholder analysis, communication, and partnership-building skills in a project-based environment. Prerequisite: Junior or senior standing. 4 SH. Capstone.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

Film Studies Department

Faculty

Catherine Hastings, Ph.D., Associate Professor of Communications

Programs

Film Studies Minor

About the Program

Program Title
Film Studies Minor

Program Code
MINR.FILM

Program Description
The minor in film studies is an interdisciplinary program using courses in several departments and coordinated by the Film Institute. It provides students with a broad introduction to motion pictures as an art and cultural phenomenon.

Learning Goals

- Film students understand films as works of art.
- Film students understand the relationship between films and their audiences and cultures.
- Film students possess a vocabulary to describe and evaluate films.
- Film students explore otherness through films.

Double-counting Restriction
Only 4 semester hours of this minor may be double-counted toward the student's major.

Film Production
The Department of Communications offers the following film-related production courses: COMM-282 Fundamentals of Digital Video Production and COMM-382 Intermediate Digital Multimedia Production.

Program Requirements

Requirements
The minor in film studies is an interdisciplinary program using courses in several departments and coordinated by the Film Institute. It provides students with a broad introduction to motion pictures as an art and cultural phenomenon. Students minoring in film studies complete, with grades of C- or better, 20 semester hours from the following: FILM-150, FILM-180, FILM-210, FILM-220, FILM-230, FILM-240, FILM-260/MUSC-260, FILM-300, COMM-282 or COMM-382. Independent Studies and COMM-502 Individual Investigation are also available for credit toward the film studies minor, with Film Institute and instructor approval.

Courses

FILM150 - Introduction to Film

Course Details

Subject Code
FILM

Course Number
150

Department(s)
Film Studies

Course Title
Introduction to Film

Course Description
An interdisciplinary study of film as an art and cultural phenomenon. Stresses the history, aesthetics and social implications of film rather than movie-making techniques. Studies commercial cinema in connection with traditional humanistic disciplines such as literature, history, and philosophy. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

FILM180 - Film and Human Values

Course Details

Subject Code
FILM

Course Number
180

Department(s)
Film Studies

Course Title
Film and Human Values

Course Description
Focuses on religious, ethical, aesthetic and epistemological values as exemplified in selected films. Examines such issues as peace and war, personal ethics, civil disobedience, deception, truth, beauty, and the sordid. Emphasizes the nature of the ethical choices and value systems, and the extent to which these are adequately represented or oversimplified and distorted by films. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FILM210 - Film and Literature

Course Details

Subject Code
FILM

Course Number
210

Department(s)
Film Studies

Course Title
Film and Literature

Course Description
A study of films based upon literary works and their cinematic adaptations. Stresses an understanding of the relative criteria of artistic form for film and literature and problems of translating the written word into visual images, techniques of narration, and questions of verisimilitude. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FILM220 - International Film

Course Details

Subject Code
FILM

Course Number
220

Department(s)
Film Studies

Course Title
International Film

Course Description
An interdisciplinary study of outstanding foreign films as works of art and cultural artifacts. Stresses film theories and criticism, as well as the appreciation of foreign films as creative exemplifications of national mores and culture. Includes particular attention to the work of distinguished directors, such as Eisenstein, Lang, Renoir, Bunuel, Fellini, Kurosawa and Bergman. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

FILM230 - American Film and Culture

Course Details

Subject Code	Course Number	Department(s)
FILM	230	Film Studies

Course Title
American Film and Culture

Course Description
An interdisciplinary study of American film as an art, industry and cultural phenomenon. Stresses the history and aesthetics of American cinema, as well as the interaction between the American film industry and major events in U.S. history from 1895 to present. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FILM240 - Female Action Heroines in Film

Course Details

Subject Code	Course Number	Department(s)
FILM	240	Film Studies

Course Title
Female Action Heroines in Film

Course Description
This course examines the emergence and development of the female action heroine in film over the course of the last fifty years within the popular "action film" genre. This course critically evaluates visual and thematic markers of femininity, masculinity, sexuality, race, and class with respect to representations of female action heroines in a variety of films. Same as WGST-240. 4 SH. CC: Artistic Expression, Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

FILM260 - Early Film Music

Course Details

Subject Code	Course Number	Department(s)
FILM	260	Film Studies

Course Title
Early Film Music

Course Description
Exploration of the art, technique, and history of music developed in the late 19th and early 20th centuries to accompany silent movies. 4 SH.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

FILM300 - Film Seminar

Course Details

Subject Code	Course Number	Department(s)
FILM	300	Film Studies

Course Title
Film Seminar

Course Description
Intensive study of advanced or specialized areas in film and its relation to the humanities and fine arts. Subjects vary and may include Imagination and the Artist, Film Theory and Criticism, studies in national cinema, individual artists, and film-based study of historical phenomenon. May be repeated with permission of the Film Institute coordinator. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

Finance & Analytics Department

Faculty

James J. Pomykalski, Ph.D., Associate Professor of Finance &Analytics, department head

Anjee Gorkhali, Ph.D., Associate Professor of Finance & Analytics

Pat Polwitoon, Ph.D., Associate Professor of Finance & Analytics

Loc Tan Bui, Ph.D., Assistant Professor of Finance & Analytics

Kihun Kim, Ph.D., Assistant Professor of Real Estate

Cindy Pan, PhD., Assistant Professor of Finance & Analytics

Jungjun Park, PhD., Assistant Professor of Economics and Finance & Analytics

Programs

Business Analytics (BS)

About the Program

Program Title
Business Analytics (BS)

Degree
Bachelor of Science

Program Code
BSAN.BS

Program Description
Continuing advancements in technology enable organizations to collect and analyze increasing volumes of data that can inform strategic and operating decisions from a variety of business perspectives. Students complete the business foundation courses which enable students to understand and apply theories from economics, accounting, marketing, finance, business analytics, and management. The business foundation courses are then complemented by coursework in the mathematical sciences. This combination of coursework enables students to understand the application of data science techniques to business decision making.

Learning Goals
- Students will be able to apply data analysis, data visualization, and data mining techniques that enable decision-makers to discern insights and patterns and describe these insights through data stories
- Students will be able to assess the performance of different data analysis and data mining models by using appropriate metrics and validation methods, ensuring the reliability and accuracy of the models
- Students will be able to effectively communicate the results of data mining projects through written reports and presentations, highlighting key insights and actionable recommendations derived from their analyses

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Marketing & Management. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Courses that fulfill the Business Analytics major requirement may not also be used to satisfy requirements of minor in Data Science/Analytics. In addition, students in this major may not also have a minor in Computer Science.

Program Requirements

Requirements

Business Foundation Courses

Complete one of the following Introduction to Business classes:

4 MGMT-196 Global Business Perspectives

2 MGMT-138 Fundamentals of Business

Complete one of the following statistics classes:

4 MATH-108 Introduction to Statistics

4 MATH-180 Statistical Methods

4 MGMT-202 Business Statistics

4 PSYC-123 Statistics for the Behavioral Sciences

Required courses:

4 ACCT-200 Financial Accounting

4 ACCT-210 Legal Environment

4 ACCT-230 Managerial Accounting

4 BSAN-174 Data Collection and Modeling

4 BSAN-472 Data Insight and Visualization

4 ECON-201 Principles of Macroeconomics

4 ECON-202 Principles of Microeconomics

4 FINC-340 Corporate Financial Management

2 MGMT-105 Introduction to Professional Development

4 MGMT-240 Principles of Management

4 MGMT-400 Business Policy and Strategy

4 MKTG-280 Marketing

No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester business students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

Requirements for the Major in Business Analytics

The Business Analytics major requires completion of the business foundation. Students will also complete the following semester hours:

24 Required Courses:

2 BSAN-233 Data Driven Decision Making

2 BSAN-505 Capstone

4 CSCI-181 Principles of Computer Science

4 CSCI-281 Data Structures

4 CSCI-301 Data Mining

4 CSCI-401 Machine Learning

4 MATH-201 Linear Algebra

Finance (BS)

About the Program

Program Title
Finance (BS)

Degree
Bachelor of Science

Program Code
FNCE.BS

Program Description
The finance major prepares students for positions in all areas of finance, including asset management, corporate financial management, commercial and investment banks in an international context, investment advisory services, mutual funds, brokerages, and insurance. The major includes an optional CFA track that provides in-depth coverage of key areas tested on the CFA Level I examination. Students will be offered the opportunity to participate in the Susquehanna University Student Investment Program (SUSIP). SUSIP is a student-managed investment fund that focuses on sustainability investment.

Learning Goals
- Students will be able to understand the fundamental principles of investments and use quantitative tools in modern portfolio theory to aid investment-making decisions and portfolio performance evaluations
- Students will be able to apply practical techniques of financial statement analysis to assess a company's financial performance and forecast its future earnings and cash flows
- Students will be able to understand the dynamics of international equilibrium relationships and monetary systems and employ various derivatives to manage foreign exchange exposures and aid the international financial management process

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Marketing & Management. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Program Requirements

Requirements
Business Foundation Courses

Complete one of the following Introduction to Business classes:

4 MGMT-196 Global Business Perspectives

2 MGMT-138 Fundamentals of Business

Complete one of the following statistics classes:

4 MATH-108 Introduction to Statistics

4 MATH-180 Statistical Methods

4 MGMT-202 Business Statistics

4 PSYC-123 Statistics for the Behavioral Sciences

Required courses:

4 ACCT-200 Financial Accounting

4 ACCT-210 Legal Environment

4 ACCT-230 Managerial Accounting

4 BSAN-174 Data Collection and Modeling

4 BSAN-472 Data Insight and Visualization

4 ECON-201 Principles of Macroeconomics

4 ECON-202 Principles of Microeconomics

4 FINC-340 Corporate Financial Management

2 MGMT-105 Introduction to Professional Development

4 MGMT-240 Principles of Management

4 MGMT-400 Business Policy and Strategy

4 MKTG-280 Marketing

No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester business students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

Requirements for the Major in Finance

The Finance major requires completion of the business foundation. Students will also complete the following semester hours:

12 Required Courses:

4 FINC-300 Financial Statement Analysis

4 FINC-342 Investment Analysis

4 FINC-345 International Financial Management

12 Semester hours selected from the following courses:

2 ACCT-220 Introduction to Taxation

4 FINC-344 Financial Institutions and Markets

2 FINC-350 River Hawk: Sector Analysis

4 FINC-375 Foundations of Real Estate

4 FINC-441 Advanced Corporate Financial Management

4 FINC-442 Portfolio Management

4 FINC-443 Equity Asset Analysis and Valuation

4 FINC-445 Financial Modeling and Fixed Income Analysis

2-4 FINC-446 Topics in Finance

4 FINC-450 River Hawk Fund

Students planning careers in investments are encouraged to take the following CFA track. This track is designed to provide in-depth coverage of CFA Level I examination topics, including CFA Institute Code of Ethics and Standards of Professional Conduct.

4 FINC-442 Portfolio Management

4 FINC-443 Equity Asset Analysis and Valuation

4 FINC-445 Financial Modeling and Fixed Income Analysis

Students participating in the Susquehanna University Student Investment Program (SUSIP) must enroll in FINC-442 and FINC-443.

Finance Minor

About the Program

Program Title
Finance Minor

Program Code
MINR.FNCE

Program Requirements

Requirements
The minor in Finance requires 16 semester hours. To complete the minor, students must have a GPA of at least 2.00 in the minor coursework and no grade below a C- in courses chosen from the following:

4	**FINC-340 Corporate Financial Management**
12	**Chosen from the following:**
4	FINC-342 Investment Analysis
4	FINC-344 Financial Institutions and Markets
4	FINC-345 International Financial Management
4	FINC-441 Advanced Corporate Financial Management
4	FINC-442 Portfolio Management
4	FINC-443 Equity Asset Analysis and Valuation
4	FINC-445 Financial Modeling and Fixed Income Analysis
2-4	FINC-446 Topics in Finance
4	FINC-450 River Hawk Fund

Real Estate Minor

About the Program

Program Title
Real Estate Minor

Program Code
MINR.REST

Program Description
The Real Estate minor is designed to develop the leaders needed to thrive in the real estate industry. Students are given an opportunity to develop skills in conjunction with a focus on real estate fundamentals, financial analysis, and law. Students will develop competencies around development, market underwriting, investment analysis, and asset and risk management.

Double-counting Restriction
Students can double-count up to 20 credit hours of coursework.

Program Requirements

Requirements
To complete the minor, the student must have a GPA of at least 2.0 in the minor coursework and no grade below a C- in courses chosen from the following:

4-8	Either ECON-105 or both ECON-201 and ECON-202
4	Introductory Statistics Course (MATH-108, MATH-180, MGMT-202 or PSYC-123)
4	ACCT-200 Financial Accounting
4	ACCT-375 Real Estate Law
4	FINC-340 Corporate Financial Management
4	FINC-375 Foundations in Real Estate

Choose 4 credits from the following courses:

2-4	FINC-447 Topics in Real Estate
4	FINC-474 Real Estate Finance and Capital Markets
2	FINC-486 Property Risk Management

Risk Management Minor

About the Program

Program Title
Risk Management Minor

Program Code
MINR.RISK

Program Description
The Risk Management minor is designed to introduce students to the fundamental principles of risk management, focusing on corporate and property risk, and its application in the insurance industry. Students from any major can complete this minor. They will develop knowledge and skills to succeed in the insurance industry or other settings focusing on managing risk. Professional certificates such as the Institute's Associate of Risk Management Certification will be embedded into the curriculum.

Double-counting Restriction
Only 8 semester hours may be double-counted towards other majors/minors.

A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Program Requirements

Requirements
To complete the Risk Management minor, students must have a GPA of at least 2.00 and no grade below C- in the following courses:

Required courses:

4	ACCT-200	Financial Accounting
4	FINC-340	Corporate Financial Management
2	FINC-384	Principles of Risk Management
2	FINC-386	Corporate Risk Management
2	FINC-485	Insurance Company Operations
2	FINC-486	Property Risk Management

Complete a minimum of 4 semester hours from the following:

2	ACCT-220	Introduction to Taxation
2	COMM-215	Professional Selling
4	FINC-442	Portfolio Management
2-4	FINC-487	Topics in Risk Management
1-4	FINC-497	Internship in Risk Management
4	MGMT-361	Human Resource Management

Real Estate (BS)

About the Program

Program Title
Real Estate (BS)

Degree
Bachelor of Science

Program Code
REST.BS

Program Description
The Real Estate major is designed to develop the leaders needed to thrive in the real estate industry. Students are given an opportunity to develop skills in conjunction with a focus on real estate fundamentals, financial analysis, marketing, law, and negotiations. Students will develop competencies around development, market underwriting, investment analysis, urban planning, appraisal, asset and risk management, brokerage, and marketing.

Students may have the opportunity to earn real-estate certificates through the existing courses, and these certificates will enhance their real-world knowledge of real-estate topics.

Learning Goals
- Students will be able to analyze and make decisions regarding commercial real estate investment, deal structuring and financing
- Students will be able to discuss the role of real estate, both properties and securities, in corporate strategy and the global economy
- Students will be able to demonstrate their knowledge of the legal aspects of real estate development within their strategic and financial planning

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Marketing & Management. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Program Requirements

Requirements
Business Foundation Courses

Complete one of the following Introduction to Business classes:

4	MGMT-196 Global Business Perspectives
2	MGMT-138 Fundamentals of Business

Complete one of the following statistics classes:

4	MATH-108 Introduction to Statistics
4	MATH-180 Statistical Methods
4	MGMT-202 Business Statistics
4	PSYC-123 Statistics for the Behavioral Sciences

Required courses:

4	ACCT-200 Financial Accounting
4	ACCT-210 Legal Environment

4 ACCT-230 Managerial Accounting

4 BSAN-174 Data Collection and Modeling

4 BSAN-472 Data Insight and Visualization

4 ECON-201 Principles of Macroeconomics

4 ECON-202 Principles of Microeconomics

4 FINC-340 Corporate Financial Management

2 MGMT-105 Introduction to Professional Development

4 MGMT-240 Principles of Management

4 MGMT-400 Business Policy and Strategy

4 MKTG-280 Marketing

No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester business students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.The Real Estate major requires completion of the business foundation. Students will also complete the following semester hours:

Requirements for the Major in Real Estate

16 Required Courses:

4 ACCT-375 Real Estate Law

4 FINC-375 Foundations of Real Estate

4 FINC-474 Real Estate Finance and Capital Markets

4 FINC-480 Real Estate Strategy

8 Select a minimum of 8 semester hours from the following:

4 COMM-215 Introduction to Professional Selling

4 FINC-342 Investment Analysis

2 FINC-384 Principles of Risk Management

4 FINC-443 Equity Asset Analysis & Valuation

2-4 FINC-447 Topics in Real Estate

4 FINC-441 Advanced Corporate Financial Management

2 FINC-486 Property Risk Management

4 FINC-445 Financial Modeling and Fixed Income Analysis

2 MGMT-466 Negotiations

Courses

BSAN174 - Data Collection and Modeling

Course Details

Subject Code
BSAN

Course Number
174

Department(s)
Finance & Analytics

Course Title
Data Collection and Modeling

Course Description
This course deals primarily with projects that collect and structure data as part of the preparation for data analysis and visualization. Major emphasis is placed on managing a data collection project and data structuring to provide the basis for algorithmic analysis. Students will study project management, data manipulation, data modeling, and Structured Query Language. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

BSAN233 - Data-Driven Decision Making

Course Details

Subject Code
BSAN

Course Number
233

Department(s)
Finance & Analytics

Course Title
Data-Driven Decision Making

Course Description
This course enables students to advance their knowledge of statistical techniques to synthesize, analyze and draw insights from quantitative data. It emphasizes the application of mathematical and quantitative methods and Microsoft Excel to analyze and present data to improve business and economic decision making. Prerequisite: MATH-108, MATH-180, MGMT-202 or PSYC-123. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

BSAN271 - E-Business Applications Development

Course Details

Subject Code
BSAN

Course Number
271

Department(s)
Finance & Analytics

Course Title
E-Business Applications Development

Course Description
An introduction to the basics of client/server computing and Web-based system development. The course covers the concepts of networking, Web technologies, HTML (hyper-text markup language), client-side scripting (JavaScript), server-side scripting (PHP, ASP, and ISP), and structured query language (SQL) The course builds upon Database Systems Analysis and Design by linking an interactive Web design to a database. Prerequisite: BSAN-174. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

BSAN276 - Simulation Models

Course Details

Subject Code
BSAN

Course Number
276

Department(s)
Finance & Analytics

Course Title
Simulation Models

Course Description
Design, development and use of computer models for planning, allocation and scheduling in the manufacturing and service sectors. Uses queuing theory and statistical analysis to interpret results. Includes the use of Simul8 or some other special-purpose simulation language. Prerequisites: A statistics course such as MATH-108, MATH-180, MGMT-202, PSYC-123 or equivalent and COMM-101. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

BSAN375 - Database Programming

Course Details

Subject Code
BSAN

Course Number
375

Department(s)
Finance & Analytics

Course Title
Database Programming

Course Description
A practical course to teach database programming in SQL. Topics include relational database management systems fundamentals such as extended entity-relationship modeling, normalization and physical database file organization. Additional topics include database administration and data warehousing. Students develop a prototype database for an actual client. Prerequisites: CSCI-181, BSAN-174 or CSCI-281. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

BSAN472 - Data Insight and Visualization

Course Details

Subject Code
BSAN

Course Number
472

Department(s)
Finance & Analytics

Course Title
Data Insight and Visualization

Course Description
This course provides a framework for understanding the technologies associated with algorithmic analysis and data presentation for business decision-making. Students will study analysis techniques that enable insights and patterns to be drawn from descriptive, predictive, and prescriptive analytics. Tools that support these techniques will be researched and presented by student teams, and they will also be investigated through Individual research projects. Prerequisites: BSAN-174. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

BSAN485 - Artificial Intelligence

Course Details

Subject Code
BSAN

Course Number
485

Department(s)
Finance & Analytics

Course Title
Artificial Intelligence

Course Description
A brief summary of the tools, techniques and applications of artificial intelligence. Introduces problem solving and knowledge representation and selects topics from techniques for constructing models, robot design, language processing, computer vision, neural networks and expert systems. Same as CSCI-485. Prerequisites: CSCI-281, MATH-111 and either MATH-108 or MATH-180. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

BSAN496 - Topics in Business Analytics

Course Details

Subject Code
BSAN

Course Number
496

Department(s)
Finance & Analytics

Course Title
Topics in Business Analytics

Course Description
Topics of current importance and interest in information systems. Emphasizes readings from the current literature. Prerequisite: Instructor's permission. 2 or 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

BSAN501 - Independent Study

Course Details

Subject Code	Course Number	Department(s)
BSAN	501	Finance & Analytics

Course Title
Independent Study

Course Description
Individualized academic work for qualified students under faculty direction. Usually studies special topics not covered in regularly offered courses. Prerequisites: Junior or senior standing and approval of instructor and department head. 2-4 SH.

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

BSAN502 - Independent Research

Course Details

Subject Code	Course Number	Department(s)
BSAN	502	Finance & Analytics

Course Title
Independent Research

Course Description
A research project culminating in a substantive paper on a selected topic or field in computer science or information systems by arrangement with an instructor. Prerequisites: Junior or senior standing and permission of computer science department head or information systems department head. 2-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

BSAN503 - Information Systems Internship

Course Details

Subject Code	Course Number	Department(s)
BSAN	503	Finance & Analytics

Course Title
Information Systems Internship

Course Description
A learning experience that cultivates a student's academic and professional development through valuable work experience and the integration of classroom-acquired knowledge by working at a firm, corporation, government agency, or nonprofit organization. Prerequisites: Approval by the SWSB Internship Coordinator and acceptance by the organization. Graded on an S/U basis. 2 or 4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

BSAN505 - Capstone

Course Details

Subject Code	Course Number	Department(s)
BSAN	505	Finance & Analytics

Course Title
Capstone

Course Description
This semester-long course serves as a capstone experience for business data science majors. Students will engage in projects that can benefit a university or community group. This course requies students to integrate principles learned from their data science and business foundations coursework. These projects will change each year based on requests and arrangements made through the faculty in the Department of Finance and Analytics. The projects largely will focus the students on the development of data analytical solutions to solve analytical problems associated with large volumes of data. Prerequisites: BSAN-174, CSCI-301, and senior standing. 2 SH. Capstone.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
2

FINC101 - Successful Fin Mgmt for Young Adults

Course Details

Subject Code	Course Number	Department(s)
FINC	101	Finance & Analytics

Course Title
Successful Fin Mgmt for Young Adults

Course Description
This course introduces students to personal financial concepts and the practical skills needed to build a stable, sustainable financial life. Students learn to manage cash flow, budget effectively, handle debt, build savings, and make informed decisions about credit, insurance, taxes, and basic investments. The course also examines how financial habits, psychological factors, and life stage planning influence long term outcomes. Students conclude by evaluating trade offs, setting goals, and creating a personalized financial plan. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

FINC275 - Introduction to Real Estate

Course Details

Subject Code	Course Number	Department(s)
FINC	275	Finance & Analytics

Course Title
Introduction to Real Estate

Course Description
This course introduces key principles of real course materials connect theory with current practice. Students will explore topics such as market analysis, negotiation, property valuation, and cost benefit analysis while working with real world data. By the end of the semester, students will be prepared to assess investment opportunities, analyze market conditions/trends, and develop and communicate their investment recommendations. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

FINC300 - Financial Statement Analysis

Course Details

Subject Code	Course Number	Department(s)
FINC	300	Finance & Analytics

Course Title
Financial Statement Analysis

Course Description
Study of the information contained in balance sheets, income statements, statements of cash flow, and footnotes in the annual reports of corporations. Includes analysis of the relationships and predictability of such information. The course includes case studies, computerized analyses and library research. Prerequisite: ACCT-200. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC340 - Corporate Financial Management

Course Details

Subject Code	Course Number	Department(s)
FINC	340	Finance & Analytics

Course Title
Corporate Financial Management

Course Description
Examines the theory and practice of corporate financial management. Topics include the financial environment, time value of money, bond and stock valuation, and the capital asset pricing model. Also covers analysis of financial statements,financial forecasting, capital budgeting, long-term financing decisions, the cost of capital, capital structure, dividend policy, and working capital management. Prerequisites: introductory statistics course, (MATH-108, MATH-180, MGMT-202 or PSYC-123) ACCT-200, and either ECON-105 or both ECON-201 and ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC342 - Investment Analysis

Course Details

Subject Code	Course Number	Department(s)
FINC	342	Finance & Analytics

Course Title
Investment Analysis

Course Description
Examines various investment vehicles within a risk and return framework. Topics include the structure and operation of markets, use of margin, short sales, stock market indexes, mutual funds, efficient market hypothesis, stock and bond valuation, duration, international investing, call and put options, futures contracts, real estate, and portfolio management. Uses a mutual fund study, a stock valuation exercise, and a computer database to increase knowledge and experience in investment management. Prerequisite: FINC-340.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC344 - Financial Institutions and Markets

Course Details

Subject Code	Course Number	Department(s)
FINC	344	Finance & Analytics

Course Title
Financial Institutions and Markets

Course Description
Focuses on the financial services industries and financial markets in the U. S. economy. Topics include the structure of financial markets and the roles of financial services industry and the federal government in these markets; the valuation of fixed-income securities; risk-return trade-offs in capital markets; hedging and the use of financial derivatives to manage interest rate risk, foreign exchange risk, credit risk, and liquidity risk; asset-liability-liquidity management emphasizing GAP and duration analysis; mergers and acquisitions. Prerequisite: FINC-340. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC345 - International Financial Managment

Course Details

Subject Code	Course Number	Department(s)
FINC	345	Finance & Analytics

Course Title
International Financial Managment

Course Description
Examines the theoretical and practical analysis of the financing and investment decisions of multinational firms operating in international financial markets. Topics include international asset valuation, international financing and investments, foreign currency, foreign exchange risk exposure, and country risk management. Prerequisite: FINC-340. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC350 - River Hawk: Sector Analysis

Course Details

Subject Code	Course Number	Department(s)
FINC	350	Finance & Analytics

Course Title
River Hawk: Sector Analysis

Course Description
Students will study a sector of the economy in great detail, examining the financial valuations for companies in that sector. Students will also conduct research using Bloomberg Terminals and will assist students in the River Hawk Fund Management course as they make decisions on the student managed investment fund.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

FINC375 - Foundations of Real Estate

Course Details

Subject Code	Course Number	Department(s)
FINC	375	Finance & Analytics

Course Title
Foundations of Real Estate

Course Description
This course introduces the principles and practices of real estate, with a focus on the economic, legal, and financial aspects of the industry. Topics include property rights, market analysis, real estate finance, investment analysis, and property management. Students in this class will complete the Urban Land Institute's Foundation of Real Estate Certificate as part of the course. Prerequisites: FINC-340. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC384 - Principles of Risk Management

Course Details

Subject Code	Course Number	Department(s)
FINC	384	Finance & Analytics

Course Title
Principles of Risk Management

Course Description
Risk management is the study of risks and risk mitigation techniques, methods, and models. These are used by people in all industries and are especially relevant for those considering opportunities in insurance or those who would like to be upper-level executives, where managing risks is a crucial responsibility. Prerequisite: FINC-340. 2SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

FINC386 - Corporate Risk Management

Course Details

Subject Code	Course Number	Department(s)
FINC	386	Finance & Analytics

Course Title
Corporate Risk Management

Course Description
This course focuses on risk management within businesses. Students will learn the concepts and tools that businesses use when managing risk and will apply these concepts and tools to a variety of cases and scenarios. We adopt an enterprise risk management perspective, i.e., we will be concerned with managing all the major risk exposures of an enterprise and, under ideal conditions, in a portfolio context. By the end of the course, students should have a decision-making framework that can be applied to many different situations involving risk. Prerequisite: FINC-385 Principles of Risk Management. 2SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

FINC441 - Advanced Corporate Financial Mgmt

Course Details

Subject Code	Course Number	Department(s)
FINC	441	Finance & Analytics

Course Title
Advanced Corporate Financial Mgmt

Course Description
A brief review of MGMT-340 with additional depth in such topics as risk and return, cost of capital, capital structures theory and practice, capital budgeting, and financial statement analysis. Expands to cover topics such as lease financing and debt refinancing. Uses case studies to apply these concepts and theories. Prerequisite: FINC-340. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC442 - Portfolio Management

Course Details

Subject Code
FINC

Course Number
442

Department(s)
Finance & Analytics

Course Title
Portfolio Management

Course Description
This course is designed to focus on the work of portfolio managers. Students will learn how to establish appropriate investment objectives, develop optimal portfolio strategies, estimate risk-return trade-offs, select investment managers, and evaluate investment performance. Many of the latest quantitative approaches in portfolio formation and evaluation are discussed. This course will draw upon selected materials from the CFA professional designation curriculum. This class is one of the two courses that make up the "Susquehanna Student Investment Program, SUSIP". Prerequisite: FINC-342. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC443 - Equity Asset Analysis and Valuation

Course Details

Subject Code
FINC

Course Number
443

Department(s)
Finance & Analytics

Course Title
Equity Asset Analysis and Valuation

Course Description
Examines various investment techniques, using empirical analysis within the framework of modern portfolio theory. The course features a top-down fundamental analysis approach using both economic and industry financial data. Topics include macroeconomics, portfolio analysis, financial statement analysis, traditional investment theory, intrinsic security valuation, efficient market hypothesis, executive compensation, insider trading and advanced technical writing, and oral presentations. Prerequisite: FINC-340. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC445 - Finan Modeling & Fixed Income Analysis

Course Details

Subject Code
FINC

Course Number
445

Department(s)
Finance & Analytics

Course Title
Finan Modeling & Fixed Income Analysis

Course Description
This course focuses on securities that promise a fixed income stream. Topics include features of bonds, risk of bonds, yield spreads, duration, convexity, term structure, volatility of interest rates, and CDO's. Financial models are developed using Excel and focusing on extraction of financial data and converting it into models useful for financial decision-making. Prerequisites: FINC-340 and instructor's permission. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC446 - Topics in Finance

Course Details

Subject Code
FINC

Course Number
446

Department(s)
Finance & Analytics

Course Title
Topics in Finance

Course Description
Topics of current importance and interest in finance. Prerequisites: FINC-340. 1-4 SH. This courses requires instructor permission to enroll.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

FINC447 - Topics in Real Estate

Course Details

Subject Code
FINC

Course Number
447

Department(s)
Finance & Analytics

Course Title
Topics in Real Estate

Course Description
This course investigates contemporary or emerging topics of real estate. The individual course topics will vary according to the interest and expertise of the instructor. The course may be repeated for credit if the topic is different. Prerequisites: FINC-375. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

FINC450 - River Hawk Fund

Course Details

Subject Code
FINC

Course Number
450

Department(s)
Finance & Analytics

Course Title
River Hawk Fund

Course Description
This course provides practical, real-world experience in valuing companies, making investment decisions, and managing portfolios. Students will evaluate economic sectors, industries, and individual firms as investment opportunities using a variety of financial analysis methods. Students will oversee the work of junior analysts and present their recommendations to the River Hawk Fund Advisory Board. Pre-requisite: FINC-443. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC474 - Real Est Fin and Capital Mkts

Course Details

Subject Code
FINC

Course Number
474

Department(s)
Finance & Analytics

Course Title
Real Est Fin and Capital Mkts

Course Description
This course is designed to debt and equity secondary markets linked to real estate assets. Mortgage structure and mechanics in both residential and commercial markets will be examined, along with an evaluation of investment in property markets, mortgage-backed securities, and with REITs. The course places considerable emphasis on securitization, the housing finance system, the GSEs, the subprime mortgage crisis and related topics. The course will be relevant both to people with an interest in real estate and those interested in fixed income markets. Prerequisites: FINC-375. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC480 - Real Estate Strategy

Course Details

Subject Code
FINC

Course Number
480

Department(s)
Finance & Analytics

Course Title
Real Estate Strategy

Course Description
This course is designed to provide students with a comprehensive understanding of the strategic decision-making processes in commercial real estate. It will cover factors that affect real estate investments, including market conditions, capital markets, government policies, and property-specific characteristics. Students will work in teams analyzing all aspects of a real estate and/or development opportunity and work in teams to assess the profitability of the venture. Prerequisites: FINC-375 and senior standing. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FINC485 - Insurance Company Operations

Course Details

Subject Code
FINC

Course Number
485

Department(s)
Finance & Analytics

Course Title
Insurance Company Operations

Course Description
This course provides an overview of the fundamentals of insurance operations, including underwriting, claims management, risk assessment, and customer service. Students will learn how insurance companies operate, and how they interact with customers and other stakeholders. The course will cover the key processes and activities involved in insurance operations, as well as the legal and regulatory frameworks that govern the industry. Prerequisite: FINC 385: Principles of Risk Management. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

FINC486 - Property Risk Management

Course Details

Subject Code
FINC

Course Number
486

Department(s)
Finance & Analytics

Course Title
Property Risk Management

Course Description
This course focuses on the principles and practices of property risk management, including the identification, assessment, and treatment of property risks. Topics covered include property risk identification, loss prevention, risk financing, and risk transfer. Prerequisite: FINC-385. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

FINC487 - Topics in Risk Management

Course Details

Subject Code
FINC

Course Number
487

Department(s)
Finance & Analytics

Course Title
Topics in Risk Management

Course Description
This course investigates contemporary or emerging topics of risk management. The individual course topics will vary according to the interest and expertise of the instructor. The course may be repeated for credit if the topic is different. Prerequisites: FINC-385. 2-4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

FINC497 - Internship in Risk Management

Course Details

Subject Code
FINC

Course Number
497

Department(s)
Finance & Analytics

Course Title
Internship in Risk Management

Course Description
A learning experience that cultivates a student's academic and professional development through valuable work experience and the integration of classroom-acquired knowledge by working at a firm, corporation, government agency, or nonprofit organization. Prerequisites: Approval by the SWSB Internship Coordinator and acceptance by the organization. Graded on an S/U basis. 2 or 4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

FINC501 - Independent Study

Course Details

Subject Code	Course Number	Department(s)
FINC	501	Finance & Analytics

Course Title
Independent Study

Course Description
Individualized academic work for qualified students under faculty direction. 1-4 SH.

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

Health Care Studies Department

Faculty Coordinator

Alissa Packer, Associate Professor of Biology, Biology department head

Programs

Pre-Health Professions Minor

About the Program

Program Title
Pre-Health Professions Minor

Program Code
MINR.HLCR

Program Description
The pre-health professions minor is designed for students interested in pursuing a career in healthcare or healthcare-related fields. Through course work and internship experiences, students gain a foundation that prepares them for a future career in healthcare, including topics such as the business of healthcare, the ethical dimensions of healthcare, as well as an understanding of human anatomy and physiology. The minor includes the prerequisite courses required for many post-graduate programs in the allied health field (e.g. physical therapy, physician's assistant, optometry, occupational therapy, and accelerated nursing programs.) Students majoring in biomedical sciences may not pursue a pre-health professions minor.

Students in the pre-health professions minor will be advised by Dr. Kelly Puzzi, pre-health advisor and director of health professions. All internships should be planned in consultation with Dr. Puzzi.

Learning Goals
- Students will understand the relationship between the structure of body parts (anatomy) and their biological functions (physiology)
- Students will be able to describe the interconnected elements of the healthcare system.
- Students will be able to apply the bioethical principles to critically evaluate contemporary issues in the healthcare system.
- Students will understand the social determinants that affect the health of individuals and communities.
- Students will develop important practical skills (e.g. professionalism, communication, empathy, problem-solving) through their internships in the healthcare field.

Double-counting Restriction
Only 8 semester hours of this minor may double count toward the student's major.

Program Requirements

Requirements
The minor requires 22-24 semester hours, including:

4 BIOL-102 Cell Biology and Genetics

4 HLCR-350 Anatomy and Physiology I

4 HLCR-355 Anatomy and Physiology II

2 HLCR-080 The Business of Healthcare

0-2 HLCR-500 Healthcare Internship*

4 PHIL-224 Bioethics

*The minor requires two, unique internships (between 0 and 1 credit each). Each internship must be a minimum of 40 hours. Internships may be completed during the fall or spring semester, or over winter or summer break. Regardless of when the internship is completed, students must register for the internship and complete the student learning agreement prior to beginning the internship.

4 Elective course(s) chosen from the following:

4 BIOL-220 Biostatistics

3 BIOL-300 Developmental Biology

1 BIOL-301 Developmental Biology Laboratory*

3 BIOL-306 Cell Biology

1 BIOL-307 Cell Biology Laboratory*

3 BIOL-312 Microbiology

1 BIOL-313 Microbiology Lab*

4 BIOL-318 General Biochemistry

4 BIOL-319 Advanced Genetics

3 BIOL-400 Immunology

1 BIOL-401 Immunology Laboratory*

3 BIOL-440 Behavioral Neuroendocrinology

1 BIOL-441 Behavioral Neuroendocrinology Lab*

4 BIOL-455 Functional Neuroanatomy

4 BIOL-560 Interdisciplinary Explorations in Biology when the topic is Cancer Biology

4 BIOL-565 Assisted Reproductive Technologies and Genome Editing

4 CHEM-302 Medicinal Chemistry

4 CHEM-305 Forensic Chemistry

3 CHEM-424 Biochemistry of Metabolism

1 CHEM-429 The Biochemistry of Metabolism Lab

3 CHEM-426 The Biochemistry of Proteins and Enzymes

1 CHEM-427 Biochemistry of Proteins and Enzymes Lab

4 HIST-217 History of Medicine

4 HIST-323 History of American Medicine

4 HLCR-260 Human Nutrition

4 POLI-354 Healthcare Policy

4 PSYC-237 Lifespan Development

4 PSYC-242 Health Psychology

4 PSYC-243 Drugs, Society and Behavior

4 PSYC-320 Psychological Disorders

4 PSYC-342 Behavioral Neuroscience

*Lecture courses (3 SH) may be taken without associated labs (1 SH) but labs cannot be taken unless the lecture is taken concurrently or has been successfully completed (C- or above) a previous semester.

Courses

HLCR080 - The Business of Health Care

Course Details

Subject Code	Course Number	Department(s)
HLCR	080	Health Care Studies

Course Title
The Business of Health Care

Course Description
This course considers the effects of social influences and business practices as they apply to health care professions. Through application of theoretical concepts and use of case examples, this course introduces students to a variety of topics in the business of health care. Possible topics include historical and social influences on health care and its delivery; developments in health insurance, including the rise of HMOs; organizational mission and performance objectives; accounting practices; marketing principles and competitive factors; alternative organizational structures; personnel management, including staffing, training and diversity; and managing for organizational change. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

HLCR260 - Human Nutrition

Course Details

Subject Code	Course Number	Department(s)
HLCR	260	Health Care Studies

Course Title
Human Nutrition

Course Description
This course provides a comprehensive introduction to the science of human nutrition and its impact on health and well-being. Throughout the semester, we will explore core concepts of nutrition including energy balance and metabolism, macronutrients, micronutrients, and their physiological roles, and dietary assessment. Additional topics such as nutrient absorption, the gut-brain axis, and the role of nutrition in health and disease will also be examined. By the end of the course, students will understand the science behind nutrition and its practical applications in promoting health, preventing disease, and supporting patient care in clinical and community settings. Prerequisite: BIOL 102 and sophomore standing. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HLCR301 - Human Anatomy

Course Details

Subject Code	Course Number	Department(s)
HLCR	301	Health Care Studies

Course Title
Human Anatomy

Course Description
This course examines the major organ systems of the human body with an emphasis on structure as it influences function. It is designed to fulfill the entrance requirements of several health fields' post-baccalaureate and graduate training programs. The course is taught in a workshop format with the laboratory integrated into the lecture topics. Included in this workshop are hands-on study of the human skeleton, intensive dissection of the cat and dissection of other pertinent mammalian organs. Students will be required to identify most of the major mammalian anatomical systems and their detailed structures using either human models, isolated mammal organs or a dissected cat. Included in the course will be a discussion of some of the pathologies associated with human anatomy. This course cannot be used as a substitute for those courses in other programs that require cadaver dissection. Prerequisite: BIOL-101 or BIOL-102 or instructor's permission. 3 lecture hours, 3 laboratory hours. 4 SH. INSTRUCTOR PERMISSION IS REQUIRED FOR ENROLLMENT.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

HLCR350 - Anatomy and Physiology

Course Details

Subject Code	Course Number	Department(s)
HLCR	350	Health Care Studies

Course Title
Anatomy and Physiology

Course Description
Anatomy and Physiology I examines the complexity of the human body and how its form (anatomy) relates to function (physiology). Successful completion of this course will enable a student to apply working knowledge of the human body in a practical setting: every student will be given the tools to help them succeed in a variety of life science-related majors (e.g., medical careers), while also underlining the importance of self-care and personal body awareness. A broad overview of anatomy and physiology will be addressed via lecture and discussion, followed by meaningful laboratory exercises to reinforce the material. Topics covered in Anatomy and Physiology I include the cellular and chemical foundations that underlie tissue and organ function, histology, and the structure and physiology of the skeletal, muscular, nervous, endocrine, and reproductive systems. Prerequisites: BIOL-102 and sophomore standing. 3 lecture hours, 3 laboratory hours. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HLCR355 - Anatomy and Physiology II

Course Details

Subject Code	Course Number	Department(s)
HLCR	355	Health Care Studies

Course Title
Anatomy and Physiology II

Course Description
This course examines the complexity of the human body and how its form (anatomy) relates to function (physiology). Anatomy and Physiology II continues the investigation of the body established in Anatomy and Physiology I, with a focus on the autonomic nervous system (brainstem and cranial nerves), blood and immunity, cardiovascular and respiratory concepts, as well as renal and gastrointestinal concepts. A broad overview of anatomy and physiology will be addressed via lecture and discussion, followed by meaningful laboratory exercises to reinforce the material. Prerequisites: BIOL-102 and HLCR-350. 3 lecture hours, 3 laboratory hours. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HLCR400 - Independent Study

Course Details

Subject Code	Course Number	Department(s)
HLCR	400	Health Care Studies

Course Title
Independent Study

Course Description
Study of a particular topic in the health care area under the guidance of an appropriate faculty member. 1-4 SH.

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

HLCR500 - Healthcare Internship

Course Details

Subject Code	Course Number	Department(s)
HLCR	500	Health Care Studies

Course Title
Healthcare Internship

Course Description
A minimum of 40 hours of experience is required for each internship. Students may arrange for an internship from a wide range of health care disciplines and clinical settings, depending upon their interests. Typical settings include hospital or clinic-based practice, private practice, public health areas and service-learning opportunities. Internship experiences may range from strictly observational to more hands on, depending upon the actual internship. Students must apply through the Office of the Registrar and submit a Student Learning Contract before beginning their internship. Graded on an S/U basis. 0-2 SH.

Course Types
Internship (INTRN), Health Care Minor (HEAL)

Semester Hours

Semester Hours:	Credit Hours Max:
0	2

History Department

Faculty

Edward S. Slavishak, Ph.D., Professor of History, department head
David M. Imhoof, Ph.D., Professor of History
Karol K. Weaver, Ph.D., Professor of History
María Muñoz, Ph.D., Associate Professor of History
Mégane Coulon, Ph.D., Assistant Professor of History
Ana Joanna Vergara Sierra, Ph.D., Assistant Professor of History
Li E, Ph.D., Assistant Professor of Chinese Studies and History

Programs

History - Secondary Education (BA)

About the Program

Program Title
History - Secondary Education (BA)

Degree
Bachelor of Arts

Program Code
HIST.ED.BA

Program Description
Students of history learn to read, analyze, and express themselves well. They study the past to learn from it and to prepare for a variety of careers. History majors focus on subjects, regions, and eras that interest them, and they graduate with a broad, international perspective on history. The major is flexible. It works well with other majors and minors and is particularly compatible with a semester abroad.

Program Requirements

Requirements
In addition to completing the history major and the Education course requirements listed below, secondary education history students must complete certification in either social studies or citizenship.

The requirements for certification in social studies are:

EDUC-425 Methods of Curriculum Instruction and Assessment in Teaching Social Studies

SOCI-101 Principles of Sociology

ANTH-162 Introduction to Anthropology

ECON-105 Elements of Economics

POLI-111 American Government and Politics

POLI-121 Comparative Government and Politics

PSYC-101 Principles of Psychology

HIST-322 Pennsylvania History or HIST-324 Pennsylvania's Pasts and Their Publics

One course in U. S. history: HIST-111, HIST-112, or HIST-115

One course in European history: HIST-131 or HIST-132

One course in non- Western history: HIST-151, HIST-152, HIST-171, HIST-172, HIST-180, or HIST-181

The requirements for certification in citizenship are:

EDUC-427 Methods of Curriculum, Instruction, and Assessment in Teaching Citizenship

ANTH-162 Introduction to Anthropology

ECON-105 Elements of Economics

POLI-111 American Government and Politics

POLI-121 Comparative Government and Politics

HIST-322 Pennsylvania History or HIST- 324 Pennsylvania's Pasts and Their Publics

One course in U.S. history: HIST-111, HIST-112, or HIST-115

One course in European history: HIST-131 or HIST-132

One course in non-Western history: HIST-151, HIST-152, HIST-171, HIST-172, HIST-180, or HIST-181

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

History (BA)

About the Program

Program Title
History (BA)

Degree
Bachelor of Arts

Program Code
HISTORY.BA

Program Description
Students of history learn to read, analyze, and express themselves well. They study the past to learn from it and to prepare for a variety of careers. History majors focus on subjects, regions, and eras that interest them, and they graduate with a broad, international perspective on history. The major is flexible. It works well with other majors and minors and is particularly compatible with a semester abroad.

Learning Goals
- History majors will, in their first three semester, be able to articulate the intellectual and professional value of their discipline and build relationships on and off campus
- History majors will explore various career options through coursework
- History majors will demonstrate the connection between their GO experience and their major
- History majors will research, write, and present a senior research project following professional guidelines

Departmental honors requirements
Students may earn departmental honors by obtaining at least a 3.50 overall GPA and completing a senior research project deemed outstanding by members of the department.

Program Requirements

Requirements
Requirements for the History major reflect the commitment to history as a way of knowing and thinking about the world.

2 Geographical surveys at the 100-level that focus on larger civilizations and longer timeframes. These courses teach students to think like historians and develop analytical and communication skills.

3 Specialized thematic surveys at the 200-level that dig deeper into a particular place or theme. Like the 100-level courses, these classes emphasize analytical and communication skills.

3 Upper-division courses at the 300-level, one of which must be in non-U.S. or non-European history. These classes focus on more specific topics in a specific area or smaller thematic framework. They ask students to compare historical material and the arguments of other historians to craft their own conclusions about the past.

3 Major courses that represent the “backbone” of the History major:

- History Methods, a methodology course taken in the sophomore year, that teaches students the dynamic skills of the historian. This class helps students learn to explain their analyses better in verbal and written form, with an eye toward the senior thesis.
- Collective Inquiry in History, taken in the junior year, continues to teach students the skills of the historian and prepares them for their senior thesis. The course emphasizes peer critique and a collaborative research process.
- Finally, in Senior Seminar, majors carry out detailed research on a topic of their choice and work one-on-one with a faculty advisor to create a capstone project.
- In all three of these courses for majors, students spend time preparing for careers (creating resumes, interviewing, exploring options) and learning to explain the value of their history major.

Total: 40 semester hours. Students must maintain a 2.00 GPA in their major courses.

Transfer, AP, or study abroad courses may apply to the major.

History Minor

About the Program

Program Title
History Minor

Program Code
MINR.HIST

Program Requirements

Requirements
The minor in history is designed to enhance nonmajors’ interest in history; it consists of 20 hours or five classes. Students take two geographical surveys (100-level) from different geographical areas, one 200- level specialized thematic survey and two 300-level courses of their choice. Students must earn a grade of at least C- in courses for the minor. Transfer, AP, or study abroad courses may apply to the minor.

Courses

HIST111 - United States History to 1877

Course Details

Subject Code
HIST

Course Number
111

Department(s)
History

Course Title
United States History to 1877

Course Description
Covers the emergence of an independent American state, the development of a distinctively American society and culture, the conflict over states' rights and slavery, and the Civil War. Considers changes in the lives of diverse American peoples. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST112 - U.S. History From Frontier to Space

Course Details

Subject Code
HIST

Course Number
112

Department(s)
History

Course Title
U.S. History From Frontier to Space

Course Description
Considers industrialization, immigration, domestic politics, foreign relations and changing definitions of citizenship in the United States since the late 19th century. 4 SH. CC: Historical Perspectives, Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST115 - African-American History

Course Details

Subject Code
HIST

Course Number
115

Department(s)
History

Course Title
African-American History

Course Description
A survey of United States history with African-American experiences as its centerpiece. By adopting cultural, economic, political, and social approaches to the past, the course emphasizes themes of identity, strategy, and agency. 4 SH. CC: Historical Perspectives, Diversity Intensive.

Course Types
Standard (STAND), Historical Perspectives (HISTR), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

HIST131 - Europe, 800 - 1648

Course Details

Subject Code
HIST

Course Number
131

Department(s)
History

Course Title
Europe, 800 - 1648

Course Description
European history from about 800 to the middle of the 17th century. Pays particular attention to major epochs during this lengthy period-medieval, Renaissance, Reformation. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST132 - Ideas and Guns in Modern Europe

Course Details

Subject Code	Course Number	Department(s)
HIST	132	History

Course Title
Ideas and Guns in Modern Europe

Course Description
Modern Europe from the dawn of science and Enlightenment thought to the end of communism and after. Focuses on political, intellectual, cultural and social developments, showing the ways in which ideas shaped people's daily lives. Pays special attention to the human impact of the modern state's development, as well as industrialization, empire building, modernism, world war and genocide. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST151 - Traditional East Asia

Course Details

Subject Code	Course Number	Department(s)
HIST	151	History

Course Title
Traditional East Asia

Course Description
An introduction to the civilization of East Asia from earliest times to the 17th century, surveying major political, social and cultural developments in China, Japan and Korea. Special attention is given to the origins and the evolution of civilizations; the relationship between state, society, and religion; and the writing of history. The course provides students with a better understanding of different cultures, to awaken them to world developments and to encourage cross-cultural analysis and appreciation. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST152 - Modern East Asia

Course Details

Subject Code	Course Number	Department(s)
HIST	152	History

Course Title
Modern East Asia

Course Description
A survey course that introduces the foundation and development of modern East Asia from the 17th century to the present. It emphasizes the transformation of political and economic institutions, and the social and cultural trends of modern China, Japan, Korea and Vietnam. It studies how international diplomatic, commercial, military, religious and cultural relationships joined with internal processes to direct the development of East Asian societies. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST171 - African Civilization

Course Details

Subject Code	Course Number	Department(s)
HIST	171	History

Course Title
African Civilization

Course Description
Survey of key developments in early African history from the agricultural revolution to the advent of trade with Western Europe. This course covers the topics of technology, economy, politics, constructions of gender, and religious institutions between circa 16,000 B.C.E. up to 1400 C.E. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST172 - Early Modern Africa

Course Details

Subject Code	Course Number	Department(s)
HIST	172	History

Course Title
Early Modern Africa

Course Description
An examination of the processes of change that have led to modern political, economic, and social institutions in Africa. Topics include the analysis of the historical development of urbanization, state formation, the slave trade, monetary systems, and leisure culture. This course focuses on issues of continuity and change between 1400 and the present. The central question addressed is how have African communities viewed modernity and how have different people endeavored to create a modern Africa? 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST180 - Latin Amer Colonization & Resistance

Course Details

Subject Code	Course Number	Department(s)
HIST	180	History

Course Title
Latin Amer Colonization & Resistance

Course Description
An examination of Latin America from pre-Columbian times to independence. Traces developments fundamental to the establishment of colonial rule, the formation of colonial society, and the origins of the independence movements in Spanish America and Brazil. Topics include contact period, the cultural and political assimilation and resistance of indigenous and African peoples, the role of the church, colonial government and economic systems in colonial organization. 4 SH. CC: Diversity Intensive, Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

HIST181 - Revolution and Identity in Latin America

Course Details

Subject Code	Course Number	Department(s)
HIST	181	History

Course Title
Revolution and Identity in Latin America

Course Description
Study of Latin America from the era of independence to the present. Focuses on Latin America and the global economy, revolutions and their consequences, ethnic, cultural, and socio-economic diversity of the region, the relationship between the U. S. A. and Latin American nations, and changing politics of citizenship. 4 SH. CC: Diversity Intensive, Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

HIST200 - Gender & Sexuality in Africa

Course Details

Subject Code	Course Number	Department(s)
HIST	200	History

Course Title
Gender & Sexuality in Africa

Course Description
This course explores the history of Africa through the lens of women and gender. Focusing on gender roles across the nineteenth and twentieth centuries, students will attempt to recover the voices of individuals often silenced. Students will consider power dynamics based on gender and study how women were active participants in the making of their own histories. Degrees of autonomy and dependence are scrutinized through themes that include access to land and property, slavery, colonization, and decolonization. 4 SH. CC: Historical Perspectives.

Course Types
Historical Perspectives (HISTR), Standard (STAND)

Semester Hours

Semester Hours:
4

HIST201 - Public History

Course Details

Subject Code	Course Number	Department(s)
HIST	201	History

Course Title
Public History

Course Description
This course is an introduction to the field of public history, in which historians work beyond the classroom to reach multiple audiences. Students learn and apply best practices in such venues as museums, historical tours, heritage sites, "pop up" exhibits, and digital history. 4 semester hours. CC: Historical Perspectives

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST205 - Soccer & Modern History 1863 to the Pres

Course Details

Subject Code	Course Number	Department(s)
HIST	205	History

Course Title
Soccer & Modern History 1863 to the Pres

Course Description
This course traces the history of soccer from its codification by English gentlemen in a London pub in 1863 to its emergence as the world's reigning sport. Through lectures and collaborative discussions, students will examine how soccer, beyond the seemingly irrational passion sparked by twenty-two players chasing a ball for ninety minutes, serves as a compelling lens to explore the defining processes of modern history, including nationhood, migration, collective identity, gender inclusion, mass communication, power politics, and global inequality. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST206 - American Dream$

Course Details

Subject Code	Course Number	Department(s)
HIST	206	History

Course Title
American Dream$

Course Description
This course explores the history of buying, selling, and profit-seeking in the United States by emphasizing their social and political contexts. Students consider such topics as the business of European settlement, colonial exchange, free and enslaved labor, the economics of revolution, industrialization, recessions and depressions, consumerism, and the costs of the American Dream. CC: Historical Perspectives. 4 SH.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST209 - History of Crime in the United States

Course Details

Subject Code	Course Number	Department(s)
HIST	209	History

Course Title
History of Crime in the United States

Course Description
This course considers crime in the United States from the Revolutionary Era to the late twentieth century. The main concepts covered are crime as a social construct, crime and class, crime and race, cultural explanations for criminal motivation, and the politics and economics of incarceration. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST212 - Europe, Money and the World

Course Details

Subject Code	Course Number	Department(s)
HIST	212	History

Course Title
Europe, Money and the World

Course Description
How did Europeans take over and dominate the world starting in the mid 1800s, and what are the lasting economic implications of their control? This course considers these and other big questions of the modern world and helps students learn how to analyze and communicate better. 4 SH. Historical Perspectives

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST215 - The Civil War in American Experience

Course Details

Subject Code	Course Number	Department(s)
HIST	215	History

Course Title
The Civil War in American Experience

Course Description
This course considers the Civil War in its economic, political, and cultural contexts. Students focus on the war as a human struggle with roots in racial, class, gender, and regional identities. The course also emphasizes historians' debates about causes and consequences. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST216 - History in Southern Appalachia

Course Details

Subject Code	Course Number	Department(s)
HIST	216	History

Course Title
History in Southern Appalachia

Course Description
This course offers an introduction to the cultural and natural environment of the southern Appalachian Mountains. It covers the period of the late 18th century through the present and emphasizes the relationship between culture and nature. The course serves as the reflective component for the HSA cross cultural experience.

Course Types
Cross-Cultural Reflection (XCSEM)

Semester Hours

Semester Hours:
2

HIST217 - History of Medicine

Course Details

Subject Code	Course Number	Department(s)
HIST	217	History

Course Title
History of Medicine

Course Description
The course considers the history of medicine from the prehistoric period to the present. Two key components of the course are the analysis of primary and secondary source evidence and the significance of narrative to the history of medicine. Prior knowledge of the history of medicine is not required. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST218 - Work and Play in the USA

Course Details

Subject Code
HIST

Course Number
218

Department(s)
History

Course Title
Work and Play in the USA

Course Description
This course examines the connections between the history of labor and leisure in the United States from the early nineteenth century to the late twentieth century. Particular emphasis is placed on social and cultural analysis of labor and leisure systems. Students read several historical case studies and synthesize course material in an original research project or a topic of their choosing. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HIST222 - Ends of Earth:Cent of Polar Exploration

Course Details

Subject Code
HIST

Course Number
222

Department(s)
History

Course Title
Ends of Earth:Cent of Polar Exploration

Course Description
This course studies the phenomenon of polar exploration between 1820 and 1920. It presents journeys of "discovery" as adventure, science, and imperialism. Students read explorers' firsthand accounts and historians' analyses to place Arctic and Antarctic journeys in scientific, political, and cultural contexts. The course ends by asking students to apply the lessons of polar expeditions to modern forms of extreme travel. 4 SH. CC: Historical Perspectives.

Course Types
Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST252 - History of China

Course Details

Subject Code
HIST

Course Number
252

Department(s)
History

Course Title
History of China

Course Description
This course covers the period from the neolithic era to contemporary China. Focuses on the life of prominent figures as well as underprivileged people, and major events, developments, and trends that have characterized China and its tradition and transformation. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST260 - Cuban Histories

Course Details

Subject Code
HIST

Course Number
260

Department(s)
History

Course Title
Cuban Histories

Course Description
This course will broadly focus on the intersection of social, political, economic, and cultural developments in the making of modern Cuba. While much of the course will focus on the nineteenth and twentieth centuries, we will briefly examine the colonial period to provide historical context. A significant part of the course will also examine major historical moments that will situate the 1959 Cuban R/revolution in proper historical context and the ways different people envisioned their revolution. The R/revolution reshaped the island, the lives of its people and its institutions in fundamental ways. It also had a significant impact in regional and global contexts. While the course will try to follow a chronological order, it will also interrogate the conventional and official narratives of the region and present a range of actors and their contributions in thematic ways. Within broader historical moments, we will explore the range of processes and experiences that Cuban people shaped and were shaped by. 4 SH. CC: Diversity Intensive, Historical Perspectives.

Course Types
Historical Perspectives (HISTR), Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

HIST276 - Colonial and Revolutionary America

Course Details

Subject Code	Course Number	Department(s)
HIST	276	History

Course Title
Colonial and Revolutionary America

Course Description
This course traces events and ideas in US history from initial contact between Native Americans and European settlers to the American Revolution. The course will cover the economic and social histories of the colonies and the development of colonial culture. It will consider how region, race, gender, and class impacted the revolutionary crisis and the War of American Independence. Students will study relevant primary and secondary sources. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

HIST290 - New Topic Survey

Course Details

Subject Code	Course Number	Department(s)
HIST	290	History

Course Title
New Topic Survey

Course Description
This course is a specialized history survey for new and experimental topics. Topics vary according to instructor. 4 SH. CC: Historical Perspectives

HIST300 - History Methods

Course Details

Subject Code	Course Number	Department(s)
HIST	300	History

Course Title
History Methods

Course Description
A study of the research methods employed by historians: searching for sources with electronic and published retrieval systems, annotated bibliographies, and methods of citation. A consideration of epistemological issues, such as fact, truth, inference and synthesis. Completion of a historiographical essay, a short research project and other writing in order to build and refine skills. History Methods is a critical course in the professional development of historians; therefore, the intended audience is history majors and minors. Prerequisite: one Historical Perspectives course. 4 SH. CC: Ethics Intensive, Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

HIST313 - Social History of the United States

Course Details

Subject Code	Course Number	Department(s)
HIST	313	History

Course Title
Social History of the United States

Course Description
Studies the changing group setting for individual Americans, including family, community, class, and race/ethnicity, with a dual focus on popular culture and the process of industrialization/urbanization. Also examines historians' models of social change. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HIST314 - The Long Civil Rights Movement

Course Details

Subject Code	Course Number	Department(s)
HIST	314	History

Course Title
The Long Civil Rights Movement

Course Description
This course examines the twentieth-century movements of African Americans to secure legal, social, and economic equality in the United States. Course readings and assignments focus on the structure of social movements, including their political, legal, and identity-based aspects, and specific case studies since the 1910s. The course also considers the nature of African-American agency and its limitations over time. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

HIST316 - Making a Multicultural United States

Course Details

Subject Code	Course Number	Department(s)
HIST	316	History

Course Title
Making a Multicultural United States

Course Description
This course examines United States history through the lens of ethnic and racial interplay. Students consider the experiences of a diverse set of historical actors, emphasizing shifting definitions of national identity, citizenship, and opportunity in America. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

HIST322 - Pennsylvania History

Course Details

Subject Code	Course Number	Department(s)
HIST	322	History

Course Title
Pennsylvania History

Course Description
An examination of the history and government of Pennsylvania. In addition to analyzing political developments and the structure of the state constitution, students consider the experiences of a diverse set of historical actors who co-existed from the colonial period to the late 20th century. The course emphasizes the ways in which these groups interacted, as well as the means by which individuals made sense of such widespread changes as industrialization, demographic shifts and urbanization. Students may not receive credit for both HIST-322 and HIST-324. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HIST323 - History of American Medicine

Course Details

Subject Code	Course Number	Department(s)
HIST	323	History

Course Title
History of American Medicine

Course Description
An analysis of the history of American medicine from the colonial period to today. In addition to studying professional medical practice, the class investigates the following topics: Native American medicine, enslaved healers, alternative medical practices, gender and medicine, race and medicine, class and medicine, and disease. Using both primary and secondary sources, students will analyze several important questions. What is medicine? What is disease? How did race, gender, and class affect American medical care? How has medicine changed or stayed the same over time? What is unique about American medicine? Prior knowledge of medicine or American history is not required. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

HIST324 - Pennsylvania's Pasts & Their Publics

Course Details

Subject Code	Course Number	Department(s)
HIST	324	History

Course Title
Pennsylvania's Pasts & Their Publics

Course Description
This course examines Pennsylvania history by considering how the state's past can be conveyed via diverse media for multiple audiences. Students analyze the political and social history of the colonial, early republic, and industrial eras while considering the experiences of a diverse set of historical actors who co-existed in what is now Pennsylvania. The course features research projects that move beyond the traditional paper format and take the form of museum exhibits, walking tours, and interactive digital media. Students may not receive credit for both HIST-324 and HIST-322. Prerequisite: Sophomore standing. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

HIST330 - The Middle Ages

Course Details

Subject Code	Course Number	Department(s)
HIST	330	History

Course Title
The Middle Ages

Course Description
Focuses on the social, economic, and intellectual changes and developments during the time of enormous creativity and transition from the ninth to the 14th centuries. Examines the social and intellectual synthesis of the medieval period as an essential link between the classical and modern worlds. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HIST338 - The Holocaust

Course Details

Subject Code	Course Number	Department(s)
HIST	338	History

Course Title
The Holocaust

Course Description
Examines the origins, implementation and consequences of the Nazi program of mass murder over the course of the 20th century. Students study various primary and secondary sources of the Holocaust and consider the lasting impact of how we represent and remember these events. Same as JWST-338. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HIST350 - Violence and Race

Course Details

Subject Code	Course Number	Department(s)
HIST	350	History

Course Title
Violence and Race

Course Types
Standard (STAND), Diversity Intensive (INDIV), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

HIST360 - African Voices on Slavery & Abolition

Course Details

Subject Code	Course Number	Department(s)
HIST	360	History

Course Title
African Voices on Slavery & Abolition

Course Description
This course explores the history of slavery and coerced labor in nineteenth-century Africa, broadening the lens beyond the more familiar contexts of North American and Caribbean plantation slavery. Central to the course is an emphasis on African voices. Drawing on the testimonies of enslaved individuals, and recent scholarly debates, students will consider how people in Africa navigated, negotiated, and resisted systems of exploitation. The course foregrounds the perspectives of the enslaved themselves, highlighting their roles as active agents who shaped the course of their own histories. Themes such as resistance, occupations, religion, and emancipation will be addressed. 4 SH.

Course Types
Standard (STAND), Non-Western History (NONW)

Semester Hours

Semester Hours:
4

HIST370 - American Women

Course Details

Subject Code	Course Number	Department(s)
HIST	370	History

Course Title
American Women

Course Description
This course traces the history of American women from the seventeenth through the twenty-first centuries. It considers the history of American women in relation to gender, race, ethnicity, class, sexual orientation, and religion. Same as WGST-370. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HIST381 - Film and History

Course Details

Subject Code	Course Number	Department(s)
HIST	381	History

Course Title
Film and History

Course Description
This interdisciplinary course unites film studies and history as a way to understand two things: the ways that film functions as history and the ways we use film to consider history. Using films therefore as primary and secondary sources, it will analyze one epoch in detail. Students will use the tools of the historian to study film and the tools of the film scholar to analyze film's function in shaping perspectives on history. Prerequisites: Sophomore standing and either one course in history or one course in film. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

HIST383 - Popular Music & History in the 20th Cent

Course Details

Subject Code	Course Number	Department(s)
HIST	383	History

Course Title
Popular Music & History in the 20th Cent

Course Description
Merging the study of music and history, this interdisciplinary class offers a unique way to understand people's lives in Europe and the United States in the 20th century. The focus on popular music, in particular, looks at recorded music, which helps minimize differences in students' abilities to read and analyze music. Prerequisites: Sophomore standing and either a 100-level history or 100-level music course (ideally both), or instructor's permission. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

HIST389 - Enlightenment & Revolution

Course Details

Subject Code	Course Number	Department(s)
HIST	389	History

Course Title
Enlightenment & Revolution

Course Description
This seminar traces the history of the Enlightenment and French Revolution from a comparative perspective. Using and analyzing secondary and primary sources, the class will explore various themes related to the Enlightenment including the importance of science, the role women played, the rise of print culture, and the impact of the philosophes. In the second half of the semester, the class will turn its attention to the French Revolution, revolution in the French colonies, and how Americans viewed the Revolution. 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

HIST390 - Topics in History

Course Details

Subject Code	Course Number	Department(s)
HIST	390	History

Course Title
Topics in History

Course Description
Topics vary according to instructor. Recent topics included film and history, African diaspora, intellectual history of Europe, Islam in Africa, Indian Ocean history, Latin American revolutions, American women, and global migrations. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HIST401 - Collective Inquiry in History

Course Details

Subject Code	Course Number	Department(s)
HIST	401	History

Course Title
Collective Inquiry in History

Course Description
Collective work that bridges the courses History Methods and Seminar in History and helps students construct their senior thesis topic. Also emphasizes editing, publishing, Web work and attention to career choices. Prerequisite: HIST-300 or instructor's permission. 3-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

HIST410 - Seminar in History

Course Details

Subject Code	Course Number	Department(s)
HIST	410	History

Course Title
Seminar in History

Course Description
The capstone course that brings together students' work in various classes, employing especially their research, analytical, interpretive, communication, and writing skills. Students create a substantial research project in conjunction with a faculty member and present their work publicly. Required for history majors. Prerequisite: HIST-300 or instructor's permission. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

HIST420 - Internship in History

Course Details

Subject Code
HIST

Course Number
420

Department(s)
History

Course Title
Internship in History

Course Description
Supervised work in fields related to history including museum work, publishing and editing, historic site surveys and other activities in public history. Not for Central Curriculum credit. Variable credit up to 8 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
8

HIST501 - Independent Study

Course Details

Subject Code
HIST

Course Number
501

Department(s)
History

Course Title
Independent Study

Course Description
Detailed exploration of a selected historical period, topic or problem under a faculty member's direction. Involves either a reading program or a major research paper. Open to all majors. Prerequisite: Department permission. Variable credit.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

HIST502 - Honors Conference

Course Details

Subject Code
HIST

Course Number
502

Department(s)
History

Course Title
Honors Conference

Course Description
Writing a thesis under the personal supervision of a department member. 4 SH.

Semester Hours

Semester Hours:
4

MSUM501 - Independent Study

Course Details

Subject Code
MSUM

Course Number
501

Department(s)
History

Course Title
Independent Study

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

Honors Program Department

Faculty

Marcos Krieger, D.M.A., Associate Professor of Music, Director

Karla Kelsey, Ph.D., Charles B. Degenstein Professor of Creative Writing, Associate Director

Courses

HONS100 - Thought

Course Details

Subject Code
HONS

Course Number
100

Department(s)
Honors Program

Course Title
Thought

Course Description
A study of ideas, this course examines intellectual curiosity and critical thinking in both oral and written communication. In this seminar setting, students investigate the process of arriving at a thoughtful position, supported by appropriate evidence. Students learn how to do academic research, evaluate source material, and form hypotheses as well as how to share their questions and ideas with various audiences. Students will practice effective habits for succeeding in a new academic and social environment. 4 SH. CC: Writing and Thinking, First-Year Seminar, Ethics Intensive

Course Types
Honors (HONOR), Perspectives (PERSP), Ethics Intensive (INETH), First-Year Seminar (FYSE)

Semester Hours

Semester Hours:
4

HONS200 - Thought and Civilization

Course Details

Subject Code
HONS

Course Number
200

Department(s)
Honors Program

Course Title
Thought and Civilization

Course Description
An introduction to Western thought, this course emphasizes how humans resist or assimilate, oppose or renew tradition. Philosophical, historical, religious, and literary texts of various eras, movements, genres, and media are the object of examination and interpretation. 4 SH. CC: Literary Expression, Diversity Intensive

Course Types
Standard (STAND), Honors (HONOR), Literary Expression (LITEX), Diversity Intensive (INDIV), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

HONS210 - Thought and the Arts

Course Details

Subject Code
HONS

Course Number
210

Department(s)
Honors Program

Course Title
Thought and the Arts

Course Description
An introduction to Western aesthetics, this course emphasizes how creative processes either align themselves with canonical traditions, or oppose and dismiss them. The course may focus on one form of artistic expression, or, unified by a thematic umbrella, on a combination of various forms of artistic expression. 4 SH. CC: Artistic Expression, Diversity Intensive

Course Types
Standard (STAND), Honors (HONOR), Artistic Expression (ARTEX), Diversity Intensive (INDIV), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

HONS230 - Analytical Thought: Logic

Course Details

Subject Code
HONS

Course Number
230

Department(s)
Honors Program

Course Title
Analytical Thought: Logic

Course Description
Logic was one of the original disciplines in the trivium, the tripartite foundation block of the liberal arts. This course addresses critical thinking within the time-honored frame of deductive argumentation using standard notations, principles, and methods used in modern symbolic logic. Logic is examined as the generative epistemology of the scientific method. 4SH. CC: Analytical Thought; Writing Intensive.

Course Types
Honors (HONOR), Analytical Thought (ANLYT), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

HONS240 - Thought and Social Diversity

Course Details

Subject Code	Course Number	Department(s)
HONS	240	Honors Program

Course Title
Thought and Social Diversity

Course Description
An introduction to the social sciences in the context of issues of substantial concern to individuals and society, this course identifies specific social issues and explores them in their historical, psychological, political, and ethical contexts. Students study concepts and methods central to the social sciences, read primary sources in several disciplines, and learn in a highly participatory classroom environment. 4 SH. CC: Social Interactions, Diversity, Ethics.

Course Types
Ethics (ETHCS), Standard (STAND), Honors (HONOR), Social Interactions (SOCIN), Diversity (DVERS)

Semester Hours

Semester Hours:
4

HONS250 - Thought and the Natural Sciences

Course Details

Subject Code	Course Number	Department(s)
HONS	250	Honors Program

Course Title
Thought and the Natural Sciences

Course Description
This history and philosophy of science course focuses on science as a human activity. Through an examination of methods, explanations, limitations, and applications of science, students are given sufficient background to be able to recognize distinctive attributes of both actual science and pseudoscience. The course introduces students to the complexity of ethical, political, and social issues that are byproducts of science and technology. Experiments in biology, chemistry, geology, and physics are used to illustrate the nature and progress of science across time. 4 SH. CC: Scientific Explanations, Interdisciplinary, Writing Intensive.

Course Types
Honors (HONOR), Scientific Explanations (SCNTF), Writing Intensive (INWRT), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

HONS260 - Sophomore Colloquium I

Course Details

Subject Code	Course Number	Department(s)
HONS	260	Honors Program

Course Title
Sophomore Colloquium I

Course Description
This experiential colloquium teaches students how to develop an interdisciplinary learning framework. Over the course of two semesters, students attend interdisciplinary lectures, workshops, and experiences. Before each activity, students receive preparatory materials to study ahead of the event, to guarantee optimal integration of content. Following each event, students produce critical reflections as assigned by the Colloquium instructor. At the end of the year, students prepare a portfolio with their critical reflections on attended events, and an overview that demonstrates the interdisciplinary reach of their intellectual engagement. The two courses must be taken consecutively, but may be taken in different academic years. 2 SH, 2 semesters. CC: Interdisciplinary, Writing Intensive.

Course Types
Honors (HONOR), Interdisciplinary (DISCP), Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
2

HONS261 - Sophomore Colloquium II

Course Details

Subject Code	Course Number	Department(s)
HONS	261	Honors Program

Course Title
Sophomore Colloquium II

Course Description
This experiential colloquium teaches students how to develop an interdisciplinary learning framework. Over the course of two semesters, students attend interdisciplinary lectures, workshops, and experiences. Before each activity, students receive preparatory materials to study ahead of the event, to guarantee optimal integration of content. Following each event, students produce critical reflections as assigned by the Colloquium instructor. At the end of the year, students prepare a portfolio with their critical reflections on attended events, and an overview that demonstrates the interdisciplinary reach of their intellectual engagement. The two courses must be taken consecutively, but may be taken in different academic years. 2 SH, 2 semesters. CC: Interdisciplinary, Writing Intensive.

Course Types
Honors (HONOR), Interdisciplinary (DISCP), Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
2

HONS301 - 300-Level Honors Seminar

Course Details

Subject Code	Course Number	Department(s)
HONS	301	Honors Program

Course Title
300-Level Honors Seminar

Course Description
Each Honors student must complete a minimum of eight hours of 300-level upper-division Honors classes. These courses are designed for a specific departmental major, but instructors have opened the courses to all Honors students, who perform very well in such challenging interdisciplinary environments. Several Honors seminars are offered each semester. If the chosen course is part of the student's major, the student will submit an "honors-level contract," describing, in consultation with the instructor, how the course assignments for the honors student differs from the other students' work. 4 SH. CC: based on the equivalencies indicated on the original course description.

Course Types
Honors (HONOR)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

HONS450 - Honors Research Project

Course Details

Subject Code	Course Number	Department(s)
HONS	450	Honors Program

Course Title
Honors Research Project

Course Description
The Honors program culminates in an experiential learning project to be completed in a minimum of two and a maximum of four semesters. This research project will address a topic not fully addressed by any specific course at SU. If the topic relates to a course or departmental capstone project, a clear and detailed explanation of how this Honors project supersedes and transcends the course of capstone is required. If students choose a topic in their major, some degree of interdisciplinarity is expected. By the end of the second week of classes in the first semester of HONS-450, students must submit a research proposal describing the duration and methodology of the project and the final deliverable product. The proposal must name an advisor from the faculty that has agreed to supervise the project. The project may be interrupted for study abroad, and may be prolonged, should the advisor deem an extension necessary for quality assurance. Once completed, the project is publicly presented in events organized by the Honors Program. Minimum of 2 SH. CC: Interdisciplinary. Capstone.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Capstone (CAPS)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

International Studies Department

Faculty Coordinator

Andrea M. Lopez, Associate Professor of Political Science

Programs

International Studies-Comparative Cultural Studies (BA)

About the Program

Program Title
International Studies-Comparative Cultural Studies (BA)

Degree
Bachelor of Arts

Program Code
INTL.CC.BA

Program Description
The Bachelor of Arts in International studies is an interdisciplinary major that combines several fields of study to help students develop the knowledge and skills needed to approach complex global challenges and devise responses. While there are three distinct focus areas, the common link in international studies education is the global perspective used to address social, cultural, economic, political and scientific issues and the interdisciplinary approach to tackling large-scale subjects that cross national boundaries.

Learning Goals
- Students will possess factual knowledge and in-depth understanding of their chosen focus area
- Students will critically read scholarly work and compare theoretical and methodological frameworks for understanding international phenomena
- Students will develop strong research skills including the ability to frame research questions for analysis and apply theoretical knowledge to study real-world events
- Students will understand the global diversity of populations and societies, as well as the political, social and economic effects of different categories of diversity
- Based on their international experiences, students will understand the breadth of human interactions, and that problems often elicit complex, conflicting and ambiguous responses

Double-counting Restriction
No more than 12 semester hours may be double-counted between the international studies major and any other major or minor.

Departmental honors requirements
To graduate with honors, international studies majors must do the following:
• Maintain a minimum GPA of 3.50 in the program and 3.25 overall,
• Request admission to the program at the beginning of the senior seminar/capstone course, and
• Complete and publicly present an honors-quality project in the spring of their senior year.

Off-Campus Study Opportunities

Students majoring in international studies are required to participate in a semester-length off-campus international experience, and those who minor in the program are strongly encouraged to do so. Programs appropriate for international studies students include but are not limited to those that expose participants to conflict resolution, international organizations, sustainable development, public health and diplomatic work. In recent years, international studies students have traveled to countries such as Argentina, Australia, Austria, Belgium, China, Cyprus, the Czech Republic, France, Germany, Italy, Japan, Jordan, Mexico, the Netherlands, South Korea, Spain, and the United Kingdom.

Internships

Because it is critical to gaining professional opportunities and placement post-graduation, students are strongly encouraged to pursue internships in the wide field of international studies. International studies majors regularly complete internships during a study abroad period. Others have interned domestically in the field. The program advisor works with students to identify internship opportunities.

Regional focus

Students in the major are also encouraged to develop a specialization in the study of a particular world region (e.g. Africa, Asia, Latin America, or Europe) as part of their coursework and study abroad experience.

Program Requirements

Requirements
International studies majors must complete a minimum of 48-56 semester hours of approved coursework in the major, all with grades of C- or better and an overall average of at least 2.00 in courses for the major. No more than 16 semester hours in the major may be taken at the 100-level, and at least 14 semester hours must be taken at or above the 300-level. All majors must take INTD-201 International Studies and Global Challenges.

All international studies majors must demonstrate proficiency through the 200-level (i.e., the equivalent of four semesters of college-level instruction) of a modern world language. All majors must take a capstone course (INTD-501 or its equivalent in Political Science).

Students in the major must engage in an off-campus, internationally focused educational experience, preferably consisting of a semester or year abroad. Shorter-term experiences, such as focus programs offered by Susquehanna University or an internship with an international-based organization, also qualify when approved by the advisor.

Focus Areas

Students choose one of three focus areas for the international studies major: diplomacy, comparative cultures, and trade and development. Course requirements vary, depending on the focus area.

48-56 Comparative Cultures

4 INTD-201 International Studies and Global Challenges

4 Introductory Anthropology

4 ENGL-250 World Literature **or** ENGL/JWST-255 Jewish Literature **or** ENGL-240 Literary Themes (when specific topic has been approved)

4 Non-U.S. upper-level anthropology

4 Non-U.S. literature or art history (one course)

4 RELI-105 World Religions

4 Additional religious studies or world philosophy

4 Non-U.S. history

4 POLI-205 Research Methods I

8 Relevant electives (two courses)

4 Senior Seminar/Capstone

Completion of the equivalent of 8SH at the 200-level of a world language

International Studies - Diplomacy (BA)

About the Program

Program Title
International Studies - Diplomacy (BA)

Degree
Bachelor of Arts

Program Code
INTL.DP.BA

Program Description
The Bachelor of Arts in International studies is an interdisciplinary major that combines several fields of study to help students develop the knowledge and skills needed to approach complex global challenges and devise responses. While there are three distinct focus areas, the common link in international studies education is the global perspective used to address social, cultural, economic, political and scientific issues and the interdisciplinary approach to tackling large-scale subjects that cross national boundaries.

Learning Goals
- Students will possess factual knowledge and in-depth understanding of their chosen focus area
- Students will critically read scholarly work and compare theoretical and methodological frameworks for understanding international phenomena
- Students will develop strong research skills including the ability to frame research questions for analysis and apply theoretical knowledge to study real-world events
- Students will understand the global diversity of populations and societies, as well as the political, social and economic effects of different categories of diversity
- Based on their international experiences, students will understand the breadth of human interactions, and that problems often elicit complex, conflicting and ambiguous responses

Double-counting Restriction
No more than 12 semester hours may be double-counted between the international studies major and any other major or minor.

Departmental honors requirements
To graduate with honors, international studies majors must do the following:
• Maintain a minimum GPA of 3.50 in the program and 3.25 overall,
• Request admission to the program at the beginning of the senior seminar/capstone course, and
• Complete and publicly present an honors-quality project in the spring of their senior year.

Off-Campus Study Opportunities

Students majoring in international studies are required to participate in a semester-length off-campus international experience, and those who minor in the program are strongly encouraged to do so. Programs appropriate for international studies students include but are not limited to those that expose participants to conflict resolution, international organizations, sustainable development, public health and diplomatic work. In recent years, international studies students have traveled to countries such as Argentina, Australia, Austria, Belgium, China, Cyprus, the Czech Republic, France, Germany, Italy, Japan, Jordan, Mexico, the Netherlands, South Korea, Spain, and the United Kingdom.

Internships

Because it is critical to gaining professional opportunities and placement post-graduation, students are strongly encouraged to pursue internships in the wide field of international studies. International studies majors regularly complete internships during a study abroad period. Others have interned domestically in the field. The program advisor works with students to identify internship opportunities.

Regional focus

Students in the major are also encouraged to develop a specialization in the study of a particular world region (e.g. Africa, Asia, Latin America, or Europe) as part of their coursework and study abroad experience.

Program Requirements

Requirements
International studies majors must complete a minimum of 48-56 semester hours of approved coursework in the major, all with grades of C- or better and an overall average of at least 2.00 in courses for the major. No more than 16 semester hours in the major may be taken at the 100-level, and at least 14 semester hours must be taken at or above the 300-level. All majors must take INTD-201 International Studies and Global Challenges.

All international studies majors must demonstrate proficiency through the 200-level (i.e., the equivalent of four semesters of college-level instruction) of a modern world language. All majors must take a capstone course (INTD-501 or its equivalent in Political Science).

Students in the major must engage in an off-campus, internationally focused educational experience, preferably consisting of a semester or year abroad. Shorter-term experiences, such as focus programs offered by Susquehanna University or an internship with an international-based organization, also qualify when approved by the advisor.

Focus Areas

Students choose one of three focus areas for the international studies major: diplomacy, comparative cultures, and trade and development. Course requirements vary, depending on the focus area.

48-56 Diplomacy

4 INTD-201 International Studies and Global Challenges

4 POLI-131 International Relations

4 POLI-121 Comparative Government and Politics

4 POLI-205 Research Methods I

8 Non-U.S. history (two courses)

8 Upper-level (non U.S.-based) political science (2 courses)

4 Non-U.S. literature or Religious Studies course

4 ECON-201 Principles of Macroeconomics **or** ECON-338 International Political Economy **or** ECON-335 Economic Development

4 Relevant electives (one course)

4 Senior seminar/capstone

Completion of the equivalent of 8SH at the 200-level of a world language

International Studies - Trade & Development (BA)

About the Program

Program Title
International Studies - Trade & Development (BA)

Degree
Bachelor of Arts

Program Code
INTL.DV.BA

Program Description
The Bachelor of Arts in International studies is an interdisciplinary major that combines several fields of study to help students develop the knowledge and skills needed to approach complex global challenges and devise responses. While there are three distinct focus areas, the common link in international studies education is the global perspective used to address social, cultural, economic, political and scientific issues and the interdisciplinary approach to tackling large-scale subjects that cross national boundaries.

Learning Goals
- Students will possess factual knowledge and in-depth understanding of their chosen focus area
- Students will critically read scholarly work and compare theoretical and methodological frameworks for understanding international phenomena
- Students will develop strong research skills including the ability to frame research questions for analysis and apply theoretical knowledge to study real-world events
- Students will understand the global diversity of populations and societies, as well as the political, social and economic effects of different categories of diversity
- Based on their international experiences, students will understand the breadth of human interactions, and that problems often elicit complex, conflicting and ambiguous responses

Double-counting Restriction
No more than 12 semester hours may be double-counted between the international studies major and any other major or minor.

Departmental honors requirements
To graduate with honors, international studies majors must do the following:
• Maintain a minimum GPA of 3.50 in the program and 3.25 overall,
• Request admission to the program at the beginning of the senior seminar/ capstone course, and
• Complete and publicly present an honors-quality project in the spring of their senior year.

Off-Campus Study Opportunities

Students majoring in international studies are required to participate in a semester-length off-campus international experience, and those who minor in the program are strongly encouraged to do so. Programs appropriate for international studies students include but are not limited to those that expose participants to conflict resolution, international organizations, sustainable development, public health and diplomatic work. In recent years, international studies students have traveled to countries such as Argentina, Australia, Austria, Belgium, China, Cyprus, the Czech Republic, France, Germany, Italy, Japan, Jordan, Mexico, the Netherlands, South Korea, Spain, and the United Kingdom.

Internships

Because it is critical to gaining professional opportunities and placement post-graduation, students are strongly encouraged to pursue internships in the wide field of international studies. International studies majors regularly complete internships during a study abroad period. Others have interned domestically in the field. The program advisor works with students to identify internship opportunities.

Regional focus

Students in the major are also encouraged to develop a specialization in the study of a particular world region (e.g. Africa, Asia, Latin America, or Europe) as part of their coursework and study abroad experience.

Program Requirements

Requirements
the major, all with grades of C- or better and an overall average of at least 2.00 in courses for the major. No more than 16 semester hours in the major may be taken at the 100-level, and at least 14 semester hours must be taken at or above the 300-level. All majors must take INTD-201 International Studies and Global Challenges.

All international studies majors must demonstrate proficiency through the 200-level (i.e., the equivalent of four semesters of college-level instruction) of a modern world language. All majors must take a capstone course (INTD-501 or its equivalent in Political Science).

Students in the major must engage in an off-campus, internationally focused educational experience, preferably consisting of a semester or year abroad. Shorter-term experiences, such as focus programs offered by Susquehanna University or an internship with an international-based organization, also qualify when approved by the advisor.

Focus Areas

Students choose one of three focus areas for the international studies major: diplomacy, comparative cultures, and trade and development. Course requirements vary, depending on the focus area.

48-56 Trade and Development

4 INTD-201 International Studies and Global Challenges

4 POLI-131 International Relations

4 ECON-201 Principles of Macroeconomics

4 ECON-202 Principles of Microeconomics

4 ECON-338 International Political Economy **or** ECON-335 Economic Development

4 History of any non-U.S. region

8 Upper-level internationally-focused courses in economics, management, marketing, or luxury brand management & marketing, ecology, earth & environmental science, or environmental studies

4 One upper-level, non-U.S.-based course in political science, sociology or anthropology

4 POLI-205 Research Methods I

4 Relevant electives (one course)

4 Senior Seminar/Capstone

Completion of the equivalent of 8SH at the 200-level of a world language

International Studies-Comparative Cultures Minor

About the Program

Program Title
International Studies-Comparative Cultures Minor

Program Code
MINR.INCC

Program Description
International studies is a superb complement to a number of other majors. Students may choose to minor in international studies by completing 24 semester hours in a focus area.

Double-counting Restriction
Only 8 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
Only courses completed with a grade of C- or above may be counted toward the minor. No more than eight semester hours may be taken at the 100-level.

24	**Comparative Cultures**
4	Introductory anthropology
4	Non-U.S. upper-level anthropology
4	Non-U.S. literature or art history
4	Religious studies or philosophy
4	Non-U.S. history
4	INTD-201 International Studies and Global Challenges

International Studies-Diplomacy Minor

About the Program

Program Title
International Studies-Diplomacy Minor

Program Code
MINR.INDP

Program Description
International studies is a superb complement to a number of other majors. Students may choose to minor in international studies by completing 24 semester hours in a focus area.

Double-counting Restriction
Only 8 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
Only courses completed with a grade of C- or above may be counted toward the minor. No more than eight semester hours may be taken at the 100-level.

24	**Diplomacy**
4	Non-U.S. history
4	Non-U.S. literature or religion
8	Political science: Two courses, non-U.S.-based, POLI-131 International Relations encouraged
4	Economics: ECON-201 Principles of Macroeconomics, ECON-338 International Political Economy, or ECON-335 Economic Development encouraged
4	INTD-201 International Studies and Global Challenges

International Studies-Trade & Development

About the Program

Program Title
International Studies-Trade & Development

Program Code
MINR.INTD

Program Description
International studies is a superb complement to a number of other majors. Students may choose to minor in international studies by completing 24 semester hours in a focus area.

Double-counting Restriction
Only 8 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
Only courses completed with a grade of C- or above may be counted toward the minor. No more than eight semester hours may be taken at the 100-level.

24 Trade and Development

4 ECON-201 Principles of Macroeconomics

4 ECON-338 International Political Economy or ECON-335 Economic Development

4 History of any non-U.S. region

8 Two upper-level internationally-focused courses in economics, management, marketing, luxury brand management & marketing, ecology, earth and environmental sciences, or environmental studies

4 INTD-201 International Studies and Global Challenges

Courses

INTD201 - Int'l St Global Challenges

Course Details

Subject Code	Course Number	Department(s)
INTD	201	International Studies

Course Title
Int'l St Global Challenges

Course Description
This course provides an overview of theories and approaches common in the field of international studies. Students will grapple with what makes this field interdisciplinary and why that may prove critical in problem-solving on an international scale. Students are introduced to how and why the field draws from many different disciplines, such as economics, anthropology, health sciences, public planning, public policy, linguistics/language, history, political science, business, and the arts. Students begin a portfolio that includes course work, a CV, and an analysis of the interdisciplinary nature of international studies. Prerequisite: Sophomore standing. 4 SH. CC: Interdisciplinary, Diversity.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Diversity (DVERS)

Semester Hours

Semester Hours:
4

INTD501 - Senior Seminar

Course Details

Subject Code	Course Number	Department(s)
INTD	501	International Studies

Course Title
Senior Seminar

Course Description
The Senior Seminar in International Studies is the culmination and integration of the International Studies major, although it is also open to students majoring in Political Science, and Public Policy, Legal Studies, and Criminal Justice. This class may count as the capstone experience for students majoring in all three programs. It provides students with the opportunity to research, write, and present a thesis on an approved topic. Students work closely with faculty members to formulate their theses and prepare both a research design and a final senior essay that implements that design. Students will also critically analyze others' work. Prerequisite: Senior standing and POLI-205. 4 SH. CC: Writing Intensive. Same as (Cross-listed with POLI-501.)

Course Types
Standard (STAND), Capstone (CAPS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

Jewish & Israel Studies Department

Faculty Director

Laurence D. Roth, Ph.D., Charles B. Degenstein Professor of English

Programs

Jewish & Israel Studies Minor

About the Program

Program Title
Jewish & Israel Studies Minor

Program Code
MINR.JWST

Double-counting Restriction
Only 6 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
The Jewish & Israel studies minor consists of 22 semester hours, including JWST-113 Introduction to Judaism, JWST-255 Jewish Literature, JWST-338 The Holocaust, eight semester hours selected from the other available Jewish & Israel studies courses listed below and two semester hours of independent study approved by the director.

The various departments that partner with the Jewish & Israel studies program may offer special topic and variable content courses of interest (such as Biblical Hebrew, Jewish and Israeli Cinema, etc.) that will be cross-listed as JWST-390 and that will satisfy the elective requirement of the minor.

Courses

JWST113 - Introduction to Judaism

Course Details

Subject Code	Course Number	Department(s)
JWST	113	Jewish & Israel Studies

Course Title
Introduction to Judaism

Course Description
Examines Judaism as it has been defined and developed as a way of thought and a way of life. The course focuses on central religious concepts, holidays, life-cycle ceremonies, and various forms of religious expression, including prayer and ritual, in order to help students understand what it means, and has meant, to be a Jew. Same as RELI-113. 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

JWST115 - Jewish Philosophy and Ethics

Course Details

Subject Code	Course Number	Department(s)
JWST	115	Jewish & Israel Studies

Course Title
Jewish Philosophy and Ethics

Course Description
Explores issues and problems related to the philosophical and ethical literature of the Jews, from the Talmudic period through the present. Topics vary and may include classical Jewish texts, mysticism, continental and poststructural Jewish philosophy, morality and social practice, women and gender and Judaism in America. The course encourages students to recognize in Jewish texts reflections of Judaism that are diverse and, at times, antithetical to one another. Same as RELI-115. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

JWST201 - The Hebrew Bible

Course Details

Subject Code	Course Number	Department(s)
JWST	201	Jewish & Israel Studies

Course Title
The Hebrew Bible

Course Description
An introduction to the texts of the Hebrew Bible, with concern for their socio-historical contexts, literary forms, and theological insights. Attention also to the variety of ways in which this literature has been and continues to be valued. Prerequisites: Sophomore standing and one of the following: a course in religious studies, a course in English, a course in history, DIVS-100, WGST-100; or instructor's permission. Same as RELI-201. 4 SH. CC: Diversity Intensive, Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Interdisciplinary (DISCP), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

JWST207 - Women in Biblical Tradition

Course Details

Subject Code	Course Number	Department(s)
JWST	207	Jewish & Israel Studies

Course Title
Women in Biblical Tradition

Course Description
An extensive inquiry into women's stories and images in the Hebrew Bible, New Testament, and related literature from the biblical period. Explores the range of roles played by women within biblical narratives, the variety of metaphorical/symbolic uses of femininity in biblical traditions, and legal and ethical precepts related to the status of women in the biblical period. Methods and approaches from the social sciences, history, literary studies, and theology, as shaped by feminist theory, will serve as the main guides for this study. Prerequisite: Sophomore standing and one of the following: a course in religious studies, a course in women's studies, a course in English, a course in history, or DIVS-100. Same as WGST-207 and RELI-207. 4 SH. CC: Diversity Intensive, Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Interdisciplinary (DISCP), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

JWST255 - Jewish Literature

Course Details

Subject Code	Course Number	Department(s)
JWST	255	Jewish & Israel Studies

Course Title
Jewish Literature

Course Description
A variable topic survey, in English translation, of the texts, writers, histories and languages that describe Jewish literatures. The course is especially concerned with debates over definitions of "Jewish literature" (What makes Jewish literatures Jewish?), the significance of Jewish literary and cultural diversity, and Jewish literary navigations between diaspora and homeland, secularism and religiosity. Readings may include Hebrew and Israeli literature, Yiddish literature, Sephardic literature or Jewish literatures of Europe and the Americas. Same as ENGL-255. Prerequisite: Sophomore standing. 4 SH. CC: Diversity, Literary Expression.

Course Types
Standard (STAND), Diversity (DVERS), Literary Expression (LITEX)

Semester Hours

Semester Hours:
4

JWST312 - History & Culture of Jewish Cuisines

Course Details

Subject Code	Course Number	Department(s)
JWST	312	Jewish & Israel Studies

Course Title
History & Culture of Jewish Cuisines

Course Description
Using anthropological approaches to the study of food, this course examines the meanings and uses of various Jewish cuisines as they developed in diverse regions and historical periods. We will consider the laws of kashrut and their modern interpretations, the social history of traditional Jewish foods, the literary development of Jewish cookbooks, and literary and cinematic representations of Jewish cuisines and dining. Underlying our study will be questions concerning how class, gender, faith, ethnicity, aesthetics, and politics inform Jewish foodways. Because cooking and eating are frequently done in the company of others, much of our work will be collaborative. Same as ANTH-312. 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

JWST338 - The Holocaust

Course Details

Subject Code
JWST

Course Number
338

Department(s)
Jewish & Israel Studies

Course Title
The Holocaust

Course Description
Examines the origins, implementation and consequences of the Nazi program of mass murder over the course of the 20th century. Students study various primary and secondary sources of the Holocaust and consider the lasting impact of how we represent and remember those events. Same as HIST-338. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

JWST390 - Topics in Jewish & Israel Studies

Course Details

Subject Code
JWST

Course Number
390

Department(s)
Jewish & Israel Studies

Course Title
Topics in Jewish & Israel Studies

Course Description
Discussion, debate, and evaluation of significant trends and phenomena in Jewish & Israel studies. Topics vary according to instructor preference, and may include regional literatures and histories, Jewish languages, gender and identity issues, folklore, Jewish film, Jewish music, Sephardic studies, Zionism, Christian/Jewish relations, and Black/Jewish relations. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

JWST500 - Independent Study

Course Details

Subject Code
JWST

Course Number
500

Department(s)
Jewish & Israel Studies

Course Title
Independent Study

Course Description
Detailed exploration of literature or author(s); of a selected historical period; of a literary, historical or religious topic, problem or issue; or of creative arts related to Jewish & Israel studies. This course engages students in library or action research, research design or application, or creative work in the arts under a faculty member's direction, and it culminates the minor in Jewish & Israel studies. 2 SH.

Course Types
Jewish Studies Minor (JEWSH)

Semester Hours

Semester Hours:
2

JWST540 - Internship

Course Details

Subject Code
JWST

Course Number
540

Department(s)
Jewish & Israel Studies

Course Title
Internship

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

Languages, Literatures & Cultures Department

Faculty

Greg C. Severyn, Ph.D., Associate Professor of Spanish Studies, department head

Sophia Buehrer, Ph.D., Assistant Professor of French Studies

Li E, Ph.D., Associate Professor of Chinese Studies

Martina Kolb, Ph.D., Professor of German Studies

Scott Manning, Ph.D., Associate Professor of French Studies

Amanda S. Meixell, Ph.D., Associate Professor of Spanish Studies

Daryl M. Rodgers, Ph.D., Associate Professor of Italian Studies

Mirta Suquet, Ph.D., Associate Professor of Spanish Studies

Megan L. Torres, Ph.D., Associate Professor of Spanish Studies

Programs

French Studies (BA)

About the Program

Program Title
French Studies (BA)

Degree
Bachelor of Arts

Program Code
FRENCH.BA

Program Description
French

Learning Goals
- Students will demonstrate a high level of communicative proficiency in the target language. This proficiency encompasses interpretive, presentational, and interpersonal modes
- Students will be able to interpret target language texts in a variety of modes (written, spoken, and visual) and in a variety of genres (narrative, poetry, nonfiction, etc.)
- Students will be able to present orally and in writing about a range of cultural and literary topics and issues related to the target language for a variety of purposes (e.g., to inform, explain, persuade, etc.)
- Students will be able to interact and negotiate meaning in spoken and written conversations for a variety of purposes
- Students will thus use their language proficiency to develop critical insight into the cultures in which their language of study is widely spoken

Departmental honors requirements
The departmental honors option recognizes outstanding work in language, literary, and cultural studies. To graduate with honors, majoring students must do the following:
• Receive an invitation to enter the program in the senior year,
• Maintain a GPA of 3.50 in the department and 3.30 overall,
• Declare an honors advisor by the end of the first week of the fall/spring semester of the senior year,
• Develop and submit honors-quality senior research by April 15 (usually as part of a seminar, research or independent study course), and
• Present their papers for discussion with faculty or at Senior Scholars Day.
Work not meeting the standards for departmental honors may be applied to the regular major.

Language Fellows

A special feature of language study at Susquehanna is the opportunity for students to interact with visiting instructors from other countries. The fellows teach introductory language classes, act as teaching assistants in upper-level courses, and join students in weekly language tables and other cultural and club activities.

Placement

Please see the Academic Policies section of this catalog for information regarding language placement.

Applied Language Credit

The Department of Languages, Literatures and Cultures encourages students who exempt the World Languages Central Curriculum requirement to continue their language study by enrolling in the course into which they have been placed at the 200-level or above. Upon successful completion of that course with a grade of B- or above, such students will earn a total of eight semester hours of credit: four semester hours for the upper-level course and four semester hours of (ungraded) applied language credit in recognition of their achievement. This policy does not apply to students who have previously earned college credit (whether at Susquehanna, through transfer course work or AP/ IB) in the language they are continuing to study. Applied language credit may not be used to satisfy the requirement for a major or minor program.

Program Requirements

Requirements
28 All majors in French Studies must complete the following:

28 SH at or above the 200-level, including FRNC-205, FRNC-208, FRNC-303, and FRNC-306

Note: Since the content of these four courses changes every year, they can be taken twice each for credit.

A semester of study abroad in a French-speaking country

The French Studies history requirement can be satisfied in various ways:

Through certain FRNC-310 or FRNC-460 courses

Through approved history courses taken during the semester abroad

Through approved courses in the History Department

A capstone, which is comprised of

(1) a 400-level course in French to be taken after completing a semester abroad and

(2) a language proficiency evaluation (FRNC-599) evaluated on a satisfactory/ unsatisfactory basis that must be passed

Students must earn at least a C- in all major courses and have a minimum GPA of 2.00 in the major.

French Studies-Education K-12 (BA)

About the Program

Program Title
French Studies-Education K-12 (BA)

Degree
Bachelor of Arts

Program Code
FRNC.ED.BA

Program Description
French

Program Requirements

Requirements
In addition to the Education course requirements listed below, students pursuing certification in French, German or Spanish satisfy all of the usual requirements for those majors.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

German Studies- Education K-12 (BA)

About the Program

Program Title
German Studies- Education K-12 (BA)

Degree
Bachelor of Arts

Program Code
GERM.ED.BA

Program Description
German

Program Requirements

Requirements
In addition to the Education course requirements listed below, students pursuing certification in French, German or Spanish satisfy all of the usual requirements for those majors.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

German Studies (BA)

About the Program

Program Title
German Studies (BA)

Degree
Bachelor of Arts

Program Code
GERMAN.BA

Program Description
German

Learning Goals
- Students will demonstrate a high level of communicative proficiency in the target language. This proficiency encompasses interpretive, presentational, and interpersonal modes
- Students will be able to interpret target language texts in a variety of modes (written, spoken, and visual) and in a variety of genres (narrative, poetry, nonfiction, etc.)
- Students will be able to present orally and in writing about a range of cultural and literary topics and issues related to the target language for a variety of purposes (e.g., to inform, explain, persuade, etc.)
- Students will be able to interact and negotiate meaning in spoken and written conversations for a variety of purposes
- Students will thus use their language proficiency to develop critical insight into the cultures in which their language of study is widely spoken

Departmental honors requirements
The departmental honors option recognizes outstanding work in language, literary, and cultural studies. To graduate with honors, majoring students must do the following:
• Receive an invitation to enter the program in the senior year,
• Maintain a GPA of 3.50 in the department and 3.30 overall,
• Declare an honors advisor by the end of the first week of the fall/spring semester of the senior year,
• Develop and submit honors-quality senior research by April 15 (usually as part of a seminar, research or independent study course), and
• Present their papers for discussion with faculty or at Senior Scholars Day.
Work not meeting the standards for departmental honors may be applied to the regular major.

Language Fellows

A special feature of language study at Susquehanna is the opportunity for students to interact with visiting instructors from other countries. The fellows teach introductory language classes, act as teaching assistants in upper-level courses, and join students in weekly language tables and other cultural and club activities.

Program Requirements

Requirements
28 All majors in German Studies must complete the following:

GERM-201, GERM-202 and 20 semester hours of German at the 300- and 400-level

A semester of study abroad in a German-speaking country

A course in European history

A capstone, which is comprised of

(1) a 400-level course in German to be taken after completing a semester abroad and

(2) a language proficiency evaluation (GERM-599) evaluated on a satisfactory/unsatisfactory basis that must be passed

Students must earn at least a C- in all major courses and have a minimum GPA of 2.00 in the major.

Applied Linguistics Minor

About the Program

Program Title
Applied Linguistics Minor

Program Code
MINR.ALST

Double-counting Restriction
Only 8 semester hours of this minor may be double-counted toward the student's major.

Language Fellows

A special feature of language study at Susquehanna is the opportunity for students to interact with visiting instructors from other countries. The fellows teach introductory language classes, act as teaching assistants in upper-level courses, and join students in weekly language tables and other cultural and club activities.

Placement

Please see the Academic Policies section of this catalog for information regarding language placement.

Applied Language Credit

The Department of Languages, Literatures and Cultures encourages students who exempt the World Languages Central Curriculum requirement to continue their language study by enrolling in the course into which they have been placed at the 200-level or above. Upon successful completion of that course with a grade of B- or above, such students will earn a total of eight semester hours of credit: four semester hours for the upper-level course and four semester hours of (ungraded) applied language credit in recognition of their achievement. This policy does not apply to students who have previously earned college credit (whether at Susquehanna, through transfer course work or AP/ IB) in the language they are continuing to study. Applied language credit may not be used to satisfy the requirement for a major or minor program.

Program Requirements

Requirements
Students pursuing a minor in Applied Linguistics are encouraged to have a minor or major in a world language and to attain intermediate-level proficiency in a language other than English (typically the completion of a 200-level world language course).

22 All minors in Applied Linguistics must complete the following:

4 LANG-300 Introduction to Applied Linguistics

2 LANG-504 Language and the Professions

16 semester hours chosen from the following courses:

4 ANTH-152 Public Culture

4 ANTH-162 Introduction to Anthropology

4 COMM- 194 Intercultural Communication

4 EDUC-350 English Language Learners: Theory and Instruction

4 FRNC-310 French/Francophone Literary and Cultural or Film Studies with the title of 'French for Business' or 'Problems in French Translation'

4 FRNC-460 Seminar on French and Francophone Literature and Culture or Film with title of 'French for Business' or 'Problems in French Translation'

4 LANG-350 Introduction to Linguistics

4 LANG-360 Introduction to Second Language Acquisition

4 PSYC-348 Psycholinguistics

Students must earn at least a C- in all minor courses and have a minimum GPA of 2.00 in the minor.

French Minor

About the Program

Program Title
French Minor

Program Code
MINR.FRNC

Language Fellows

A special feature of language study at Susquehanna is the opportunity for students to interact with visiting instructors from other countries. The fellows teach introductory language classes, act as teaching assistants in upper-level courses, and join students in weekly language tables and other cultural and club activities.

Placement

Please see the Academic Policies section of this catalog for information regarding language placement.

Applied Language Credit

The Department of Languages, Literatures and Cultures encourages students who exempt the World Languages Central Curriculum requirement to continue their language study by enrolling in the course into which they have been placed at the 200-level or above. Upon successful completion of that course with a grade of B- or above, such students will earn a total of eight semester hours of credit: four semester hours for the upper-level course and four semester hours of (ungraded) applied language credit in recognition of their achievement. This policy does not apply to students who have previously earned college credit (whether at Susquehanna, through transfer course work or AP/ IB) in the language they are continuing to study. Applied language credit may not be used to satisfy the requirement for a major or minor program.

Program Requirements

Requirements
20 All minors in French Studies must complete the following:

20 SH in French (independent of placement) starting at the 200-level

At least 4 SH must be FRNC-310 h

Students must earn at least a C- in all minor courses and have a minimum GPA of 2.00 in the minor.

German Minor

About the Program

Program Title
German Minor

Program Code
MINR.GERM

Language Fellows

A special feature of language study at Susquehanna is the opportunity for students to interact with visiting instructors from other countries. The fellows teach introductory language classes, act as teaching assistants in upper-level courses, and join students in weekly language tables and other cultural and club activities.

Placement

Please see the Academic Policies section of this catalog for information regarding language placement.

Applied Language Credit

The Department of Languages, Literatures and Cultures encourages students who exempt the World Languages Central Curriculum requirement to continue their language study by enrolling in the course into which they have been placed at the 200-level or above. Upon successful completion of that course with a grade of B- or above, such students will earn a total of eight semester hours of credit: four semester hours for the upper-level course and four semester hours of (ungraded) applied language credit in recognition of their achievement. This policy does not apply to students who have previously earned college credit (whether at Susquehanna, through transfer course work or AP/ IB) in the language they are continuing to study. Applied language credit may not be used to satisfy the requirement for a major or minor program.

Program Requirements

Requirements
20 All minors in German Studies must complete the following:

GERM-201, GERM-202, and 12 SH at the 300-level

Students must earn at least a C- in all minor courses and have a minimum GPA of 2.00 in the minor.

Italian Studies Minor

About the Program

Program Title
Italian Studies Minor

Program Code
MINR.ITAL

Language Fellows

A special feature of language study at Susquehanna is the opportunity for students to interact with visiting instructors from other countries. The fellows teach introductory language classes, act as teaching assistants in upper-level courses, and join students in weekly language tables and other cultural and club activities.

Placement

Please see the Academic Policies section of this catalog for information regarding language placement.

Applied Language Credit

The Department of Languages, Literatures and Cultures encourages students who exempt the World Languages Central Curriculum requirement to continue their language study by enrolling in the course into which they have been placed at the 200-level or above. Upon successful completion of that course with a grade of B- or above, such students will earn a total of eight semester hours of credit: four semester hours for the upper-level course and four semester hours of (ungraded) applied language credit in recognition of their achievement. This policy does not apply to students who have previously earned college credit (whether at Susquehanna, through transfer course work or AP/ IB) in the language they are continuing to study. Applied language credit may not be used to satisfy the requirement for a major or minor program.

Program Requirements

Requirements
12-20 All minors in Italian Studies must complete the following:

20 SH above ITAL-102, or 12 SH at the 300-level if placed at the 300-level

Two courses must be at the 200-level

Three courses must be at the 300-level

Students must earn at least a C- in all minor courses and have a minimum GPA of 2.00 in the minor.

Spanish Studies Minor

About the Program

Program Title
Spanish Studies Minor

Program Code
MINR.SPAN

Language Fellows

A special feature of language study at Susquehanna is the opportunity for students to interact with visiting instructors from other countries. The fellows teach introductory language classes, act as teaching assistants in upper-level courses, and join students in weekly language tables and other cultural and club activities.

Placement

Please see the Academic Policies section of this catalog for information regarding language placement.

Applied Language Credit

The Department of Languages, Literatures and Cultures encourages students who exempt the World Languages Central Curriculum requirement to continue their language study by enrolling in the course into which they have been placed at the 200-level or above. Upon successful completion of that course with a grade of B- or above, such students will earn a total of eight semester hours of credit: four semester hours for the upper-level course and four semester hours of (ungraded) applied language credit in recognition of their achievement. This policy does not apply to students who have previously earned college credit (whether at Susquehanna, through transfer course work or AP/ IB) in the language they are continuing to study. Applied language credit may not be used to satisfy the requirement for a major or minor program.

Program Requirements

Requirements
12-16 All minors in Spanish Studies must complete the following:

16 SH above SPAN-201, or 12 SH at the 300-level if placed at the 300-level

Students must earn at least a C- in all minor courses and have a minimum GPA of 2.00 in the minor.

Spanish Studies - Education K-12 (BA)

About the Program

Program Title
Spanish Studies - Education K-12 (BA)

Degree
Bachelor of Arts

Program Code
SPAN.ED.BA

Program Description
Spanish

Program Requirements

Requirements
In addition to the Education course requirements listed below, students pursuing certification in French, German or Spanish satisfy all of the usual requirements for those majors.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4	EDUC-502 Classroom Teaching
4	EDUC-503 Classroom Management
2	EDUC-600 Seminar

Spanish Studies (BA)

About the Program

Program Title
Spanish Studies (BA)

Degree
Bachelor of Arts

Program Code
SPANISH.BA

Program Description
Spanish

Learning Goals
- Students will demonstrate a high level of communicative proficiency in the target language. This proficiency encompasses interpretive, presentational, and interpersonal modes
- Students will be able to interpret target language texts in a variety of modes (written, spoken, and visual) and in a variety of genres (narrative, poetry, nonfiction, etc.)
- Students will be able to present orally and in writing about a range of cultural and literary topics and issues related to the target language for a variety of purposes (e.g., to inform, explain, persuade, etc.)
- Students will be able to interact and negotiate meaning in spoken and written conversations for a variety of purposes
- Students will thus use their language proficiency to develop critical insight into the cultures in which their language of study is widely spoken

Departmental honors requirements
The departmental honors option recognizes outstanding work in language, literary, and cultural studies. To graduate with honors, majoring students must do the following:
• Receive an invitation to enter the program in the senior year,
• Maintain a GPA of 3.50 in the department and 3.30 overall,
• Declare an honors advisor by the end of the first week of the fall/spring semester of the senior year,
• Develop and submit honors-quality senior research by April 15 (usually as part of a seminar, research or independent study course), and
• Present their papers for discussion with faculty or at Senior Scholars Day.
Work not meeting the standards for departmental honors may be applied to the regular major.

Language Fellows

A special feature of language study at Susquehanna is the opportunity for students to interact with visiting instructors from other countries. The fellows teach introductory language classes, act as teaching assistants in upper-level courses, and join students in weekly language tables and other cultural and club activities.

Placement

Please see the Academic Policies section of this catalog for information regarding language placement.

Applied Language Credit

The Department of Languages, Literatures and Cultures encourages students who exempt the World Languages Central Curriculum requirement to continue their language study by enrolling in the course into which they have been placed at the 200-level or above. Upon successful completion of that course with a grade of B- or above, such students will earn a total of eight semester hours of credit: four semester hours for the upper-level course and four semester hours of (ungraded) applied language credit in recognition of their achievement. This policy does not apply to students who have previously earned college credit

(whether at Susquehanna, through transfer course work or AP/ IB) in the language they are continuing to study. Applied language credit may not be used to satisfy the requirement for a major or minor program.

Program Requirements

Requirements
24-28 All majors in Spanish Studies must complete the following:

28 SH above the 201-level, including SPAN-202, SPAN-300 or SPAN-301, and SPAN-302; students placed at the 300-level complete 24 SH at the 300- and 400-levels

A semester of study abroad in a Spanish-speaking country

A course in Latin American history

The completion of one course in each of the three geographical areas where Spanish is most widely spoken: Spain, Spanish America, and the United States

A capstone, which is comprised of

(1) a 400-level course in Spanish to be taken after completing a semester abroad and

(2) a language proficiency evaluation (SPAN-599) evaluated on a satisfactory/ unsatisfactory basis that must be passed

Students must earn at least a C- in all major courses and have a minimum GPA of 2.00 in the major.

Courses

ARBC101 - Beginning Arabic I

Course Details

Subject Code
ARBC

Course Number
101

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning Arabic I

Course Description
Intended for students with no previous experience with the language. An introduction to speaking, reading, listening, and writing in Arabic. Also explores aspects of Arab culture. 4 SH.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

ARBC102 - Beginning Arabic II

Course Details

Subject Code
ARBC

Course Number
102

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning Arabic II

Course Description
Continuation of ARBC-101. An introduction to speaking, reading, listening, and writing in Arabic. Also explores aspects of Arab culture. Prerequisite: ARBC-101 or equivalent department-approved proficiency. CC: Foreign Language.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

CHNS101 - Beginning Chinese I

Course Details

Subject Code
CHNS

Course Number
101

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning Chinese I

Course Description
Introduces students to short conversations in Standard (Mandarin) Chinese while laying foundations for further studies of the language. Includes standard pronunciation, basic vocabulary, and writing simple statements. Explores the systems of language and culture of the Chinese people. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CHNS102 - Beginning Chinese II

Course Details

Subject Code
CHNS

Course Number
102

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning Chinese II

Course Description
Continuation of CHNS-101. Introduces students to short conversations in Standard (Mandarin) Chinese while laying foundations for further studies of the language. Includes standard pronunciation, basic vocabulary, and writing simple statements. Explores the systems of language and culture of the Chinese people. 4 SH. Prerequisite: CHNS-101 or equivalent department-approved proficiency. CC: Foreign Language.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

CHNS201 - Intermediate Chinese

Course Details

Subject Code
CHNS

Course Number
201

Department(s)
Languages, Literatures & Cultures

Course Title
Intermediate Chinese

Course Description
Review and expansion of elementary-level skills to intermediate level. Focus on developing skills needed to improve: listening, speaking, reading, and writing. Topics include culture and civilization with emphasis on current issues, comparisons to own cultures, and interdisciplinary perspectives. Prerequisite: CHNS-102 or equivalent department-approved proficiency. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CHNS202 - Intermediate Chinese II

Course Details

Subject Code
CHNS

Course Number
202

Department(s)
Languages, Literatures & Cultures

Course Title
Intermediate Chinese II

Course Description
This is the second part of Intermediate Chinese. It aims to provide students with an authentic and effective language environment and help create a fun Chinese learning experience. It covers four chapters of the textbook on topics such as "sports," "travel," "at the airport," and "new semester." Students will continue to develop their skills in Chinese by mastering approximately 150 new characters, more complicated expressions, and more advanced grammar. By completing this course, students should be able to communicate with others in the above mentioned daily life situations, read materials of moderate difficulty, and write simple compositions related to the topics. Students will also achieve a better understanding of Chinese culture. Prerequisite: CHNS-201 or equivalent department-approved proficiency. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CHNS542 - Independent Study

Course Details

Subject Code
CHNS

Course Number
542

Department(s)
Languages, Literatures & Cultures

Course Title
Independent Study

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

FRNC101 - Beginning French I

Course Details

Subject Code
FRNC

Course Number
101

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning French I

Course Description
Intended for both students who are new to the language and students with limited previous experience in the language who have placed into the first-semester level. Focuses on acquisition of core vocabulary and structures useful for completing conversational and writing tasks associated with daily life. Also, development of strategies for reading short, authentic texts in the target language. Includes study of cultural topics. 4 SH. Pre-requisite: placement at FRNC-101 is required.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

FRNC102 - Beginning French II

Course Details

Subject Code
FRNC

Course Number
102

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning French II

Course Description
Continuation of Beginning French I with emphasis on development and application of speaking, listening, reading and writing skills. Individual and group projects center on cultural dimensions of France and the French-speaking world. Prerequisite: FRNC-101, placement by examination, or equivalent department-approved proficiency. 4 SH. Pre-requisite: completion of FRNC-101 or placement at FRNC-102. CC: Foreign Language.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

FRNC205 - French Culture and Language

Course Details

Subject Code
FRNC

Course Number
205

Department(s)
Languages, Literatures & Cultures

Course Title
French Culture and Language

Course Description
This project-based course will focus on study of cultural issues in contemporary France, along with language study meant to increase students' proficiency while supporting course discussion and work on projects. The individual and group projects completed in this course will encourage students to bring their own academic and personal interests to bear on the cultural issues under study. Because issues and projects will vary from year to year, FRNC-205 may be taken twice for full credit. FRNC-205 and FRNC-208 may be taken in any order. Prerequisites: FRNC-102. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FRNC208 - Cultures of la Francophonie

Course Details

Subject Code
FRNC

Course Number
208

Department(s)
Languages, Literatures & Cultures

Course Title
Cultures of la Francophonie

Course Description
This project-based course will focus on study of cultural issues in the larger French-speaking world (mostly outside of France, but sometimes addressing issues that arise at the intersection of France and other French-speaking areas), along with language study meant to increase students' proficiency while supporting course discussion and work on projects. The individual and group projects completed in this course will encourage students to bring their own academic and personal interests to bear on the cultural issues under study. Because issues and projects will vary from year to year, FRNC-208 may be taken twice for full credit. FRNC-205 and FRNC-208 may be taken in any order. Prerequisites: FRNC-102 or equivalent placement. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

FRNC303 - Oral Expression and Public Speaking

Course Details

Subject Code
FRNC

Course Number
303

Department(s)
Languages, Literatures & Cultures

Course Title
Oral Expression and Public Speaking

Course Description
The focus of this intermediate/advanced course is to develop oral skills in French: develop vocabulary and strategies for engaging actively in a variety of types of conversational interactions, from obtaining information to expressing opinions, to elaborating and defending a position, to explaining ideas. Focus will be on developing the ability to speak spontaneously and at length, and to speak before a group. The course is structured around projects emphasizing various oral skills, including pronunciation and intonation, one of which focuses on organizing and running a French-language outreach event. Prerequisites: 8 credits at the 200-level. Students with equivalent high school or other experience may enroll with instructor approval. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FRNC306 - Written Expression and Translation

Course Details

Subject Code
FRNC

Course Number
306

Department(s)
Languages, Literatures & Cultures

Course Title
Written Expression and Translation

Course Description
The focus of this course is to practice various genres of writing and to develop skills the art of individual and/or collaborative translation. The course is structured around a central project of translating real-world texts on a cultural topic or theme, and the translation work will involve gaining some understanding of that topic or theme. Writing in various genres will relate to this topic or theme through fact and fiction. Language structures studied in this course will support work on these projects. Prerequisites: 8 SH at the 200-level instructor approval. This course may be taken twice for full credit. CC: Interdisciplinary, Writing Intensive. 4 SH.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

FRNC310 - French/Francophon Lit & Cultural Study

Course Details

Subject Code
FRNC

Course Number
310

Department(s)
Languages, Literatures & Cultures

Course Title
French/Francophon Lit & Cultural Study

Course Description
Topics vary each semester. Students may take more than one 300-level topics course. Critical study of particular cultural and literary themes and topics related to France and the French-speaking world. Approach and projects will vary with course topics. Prerequisite: FRNC-301 or FRNC-302 or department-approved proficiency. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

FRNC460 - Seminar French Literature/Culture/Film

Course Details

Subject Code
FRNC

Course Number
460

Department(s)
Languages, Literatures & Cultures

Course Title
Seminar French Literature/Culture/Film

Course Description
Topics vary each semester. Students may take more than one 460 seminar. These seminars explore selected topics in depth and from the perspective of more than one discipline. Includes discussion of theory and research methods. Research project is a central component of this course. Prerequisite: Sophomore standing and completion of semester study abroad. 4 SH. Capstone. CC: Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Capstone (CAPS), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

FRNC501 - Internship

Course Details

Subject Code
FRNC

Course Number
501

Department(s)
Languages, Literatures & Cultures

Course Title
Internship

Course Description
Supervised employment in a modern language environment. Prerequisite: Department permission. 4-8 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
4

Credit Hours Max:
8

FRNC542 - Independent Study

Course Details

Subject Code
FRNC

Course Number
542

Department(s)
Languages, Literatures & Cultures

Course Title
Independent Study

Course Description
Prerequisites: 48 semester hours, a cumulative 3.00 or higher GPA, approval of supervising professor and course area department head. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

FRNC599 - Senior Language Proficiency Evaluation

Course Details

Subject Code
FRNC

Course Number
599

Department(s)
Languages, Literatures & Cultures

Course Title
Senior Language Proficiency Evaluation

Course Description
Non-credit. Required for all majoring students. Individually scheduled. Taken only in the student's final semester prior to graduation. Graded on a satisfactory/unsatisfactory basis.

Course Types
Comprehensive Exam (COMP)

Semester Hours

Semester Hours:
0

GERM101 - Beginning German I

Course Details

Subject Code
GERM

Course Number
101

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning German I

Course Description
Intended both for students with previous experience in the language but who have not placed above the first-semester level and for students new to the language. Focuses on conversations to acquire a useful core vocabulary, reading graded prose and writing brief sentences. Explores the systems of language, culture and civilization of German-speaking peoples. 4 SH. Pre-requisite: placement at GERM-101.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

GERM102 - Beginning German II

Course Details

Subject Code
GERM

Course Number
102

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning German II

Course Description
A continuation of GERM-101. Focuses on conversations to acquire a useful core vocabulary, reading graded prose and writing brief sentences. Explores the systems of language, culture and civilization of German-speaking peoples. Prerequisite: GERM-101, placement by examination, or department-approved proficiency. 4 SH. CC: Foreign Language.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

GERM201 - Intermediate German I

Course Details

Subject Code
GERM

Course Number
201

Department(s)
Languages, Literatures & Cultures

Course Title
Intermediate German I

Course Description
Review and expansion of elementary-level skills to intermediate level. Focus on developing skills needed to improve: listening, speaking, reading and writing. Topics include culture and civilization with emphasis on current issues, comparisons to own cultures and interdisciplinary perspectives. Prerequisite: GERM-102, placement by examination, or equivalent department-approved placement. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

GERM202 - Intermediate German II

Course Details

Subject Code
GERM

Course Number
202

Department(s)
Languages, Literatures & Cultures

Course Title
Intermediate German II

Course Description
Extensive review and expansion of elementary-level skills. Focus on improving all skills: listening, speaking, reading and writing. Also includes culture and civilization. Prerequisite: GERM-201, placement by examination, or department-approved proficiency. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

GERM301 - Advanced Conversation and Oral Expressio

Course Details

Subject Code
GERM

Course Number
301

Department(s)
Languages, Literatures & Cultures

Course Title
Advanced Conversation and Oral Expressio

Course Description
Language skill development, emphasizing formal speaking and short essay writing. Includes cultural and/or literary materials. Prerequisite: GERM-202 or equivalent departmental-approved proficiency. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

GERM302 - Adv. German Grammar & Written Expression

Course Details

Subject Code
GERM

Course Number
302

Department(s)
Languages, Literatures & Cultures

Course Title
Adv. German Grammar & Written Expression

Course Description
Focus on written German (reading and writing), including systematic review of principal grammatical structures. Development of critical thought and expansion of vocabulary through analysis of original German, Austrian, and Swiss texts in various genres and media (including literary, journalistic, and scientific prose, features and documentaries). Enhancement of German composition skills. Designed for students with a functional command of the German language and an understanding of its basic grammatical structures. Prerequisites: GERM 202, or equivalent department-approved proficiency. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

GERM310 - Topics in German Studies

Course Details

Subject Code
GERM

Course Number
310

Department(s)
Languages, Literatures & Cultures

Course Title
Topics in German Studies

Course Description
Critical study of particular topics and forms of Austrian, German, and Swiss literature, culture, and film. Themes and genres will vary according to the interest and expertise of the instructor. Lectures, discussions, and readings in German. Prerequisites: GERM 301 or GERM 302, or equivalent, department-approved proficiency. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

GERM460 - Seminar in German Studies

Course Details

Subject Code
GERM

Course Number
460

Department(s)
Languages, Literatures & Cultures

Course Title
Seminar in German Studies

Course Description
Explores selected topics in depth. Research paper required. Prerequisite: A 300-level German course or department-approved proficiency. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

GERM503 - Internship

Course Details

Subject Code
GERM

Course Number
503

Department(s)
Languages, Literatures & Cultures

Course Title
Internship

Course Description
Supervised employment in an appropriate modern language environment. Prerequisite: Department permission. 4-8 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
4

Credit Hours Max:
8

GERM542 - Independent Study

Course Details

Subject Code
GERM

Course Number
542

Department(s)
Languages, Literatures & Cultures

Course Title
Independent Study

Course Description
Prerequisites: 48 semester hours, a cumulative 3.00 or higher GPA, approval of supervising professor and course area department head. 1-4 SH. Counts toward the major or minor.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

GERM599 - Senior Language Proficiency Evaluation

Course Details

Subject Code
GERM

Course Number
599

Department(s)
Languages, Literatures & Cultures

Course Title
Senior Language Proficiency Evaluation

Course Description
Non-credit. Required for all majoring students. Individually scheduled. Taken only in the student's final semester prior to graduation. Graded on a satisfactory/unsatisfactory basis.

Course Types
Comprehensive Exam (COMP)

Semester Hours

Semester Hours:
0

ITAL101 - Beginning Italian I

Course Details

Subject Code
ITAL

Course Number
101

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning Italian I

Course Description
Intended both for students with previous experience in the language but who have not placed above the first-semester level and for students new to the language. Focuses on acquisition of core vocabulary and structures necessary for carrying out short conversations, reading graded prose, and writing brief sentences associated with daily life. Also explores aspects of Italian civilization and culture. Pre-requisite: a placement of ITAL-101 is required. 4 SH.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

ITAL102 - Beginning Italian II

Course Details

Subject Code
ITAL

Course Number
102

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning Italian II

Course Description
Focuses on acquisition of core vocabulary and structures necessary for carrying out short conversations, reading graded prose, and writing brief sentences associated with daily life. Also explores aspects of Italian civilization and culture. Prerequisite: ITAL-101 or equivalent department-approved placement. 4 SH. CC: Foreign Language.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

ITAL542 - Independent Study

Course Details

Subject Code
ITAL

Course Number
542

Department(s)
Languages, Literatures & Cultures

Course Title
Independent Study

Course Description
Prerequisites: 48 semester hours, a cumulative 3.00 or higher GPA, and approval of supervising instructor and course area department head. 1-4 SH. Counts toward the major or minor.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

LANG300 - Intro to Applied Linguistics

Course Details

Subject Code
LANG

Course Number
300

Department(s)
Languages, Literatures & Cultures

Course Title
Intro to Applied Linguistics

Course Description
This course is designed to provide an introduction to the field of applied linguistics In particular, this course is an introduction to the study of language as applied to real-world problems in specific situations in which people use and learn languages, e.g. language learning and teaching, intercultural communication, bilingualism and multilingualism, language policy and planning, language, power, and politics to name a few. The course explores such questions as how do people acquire a language that is not their own, and how does this affect their social and cultural identity? What is the role of computer-assisted language learning in the language classroom? How are the issues of bilingual and multilingual education addressed at both the educational and political level? 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

LANG350 - Introduction to Linguistics

Course Details

Subject Code
LANG

Course Number
350

Department(s)
Languages, Literatures & Cultures

Course Title
Introduction to Linguistics

Course Description
This course is an introduction to the science of linguistics and its subcomponents, including syntax, semantics, morphology, phonetics, phonology, historical linguistics, and sociolinguistics. It is designed specifically for those completing a minor in applied language studies, but the course is open to others interested in this field of inquiry. Prerequisite: Completion of language study through the 202 level or equivalent placement. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

LANG360 - Second Language Acquisition

Course Details

Subject Code
LANG

Course Number
360

Department(s)
Languages, Literatures & Cultures

Course Title
Second Language Acquisition

Course Description
This course is designed as an introduction to how first and, in particular, second languages are learned. Students will be introduced to key terminology, concepts, issues, and theories involved in the acquisition of a second (or additional) language. Students will use their foundational understanding of the principles, processes, and issues related to second language acquisition (SLA) to begin to read research in the field, and to make connections to the related field of language teaching and learning. Intermediate proficiency in another language is recommended but not required. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

LANG500 - Language Teaching Methods

Course Details

Subject Code
LANG

Course Number
500

Department(s)
Languages, Literatures & Cultures

Course Title
Language Teaching Methods

Course Description
DO NOT USE FOR ACADEMIC PLANNING OR COURSE REGISTRATION. The course aims to give Language Fellows in the Department of Languages, Literatures and Cultures an overview of communicative, task-based language instruction. This overview consists of theory and research in second language acquisition and teaching, as well as practical application. 2-4 SH. This course requires instructor permission to enroll.

Course Types
Standard (STAND), Not included in catalog (NOCAT)

Semester Hours

Semester Hours:
4

LANG502 - Independent Study

Course Details

Subject Code
LANG

Course Number
502

Department(s)
Languages, Literatures & Cultures

Course Title
Independent Study

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

LANG503 - Classroom Assistant

Course Details

Subject Code
LANG

Course Number
503

Department(s)
Languages, Literatures & Cultures

Course Title
Classroom Assistant

Course Description
An opportunity for students to collaborate with a professor by assisting in one of the language courses offered through the Modern Languages Department to gain insight into language learning and teaching. Expectations and responsibilities will vary depending on the course in question, the needs of the professor, and the goals of the student. Generally, they will include attendance and participation in the class in which the student is assisting and regular meetings with the supervising instructor. This course may be taken multiple times for credit. Prerequisites: A minimum of one semester abroad in a program in which all coursework is done in the target language; approval by the supervising instructor. 1-2 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
2

LANG504 - Language and the Professions

Course Details

Subject Code
LANG

Course Number
504

Department(s)
Languages, Literatures & Cultures

Course Title
Language and the Professions

Course Description
Supervised employment in an appropriate modern language environment. Students may choose to take LANG-504 under the Satisfactory/Unsatisfactory (S/U) option, in which case they must earn a 'Satisfactory' grade. Prerequisite: Department permission. 2 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
2

SPAN101 - Beginning Spanish I

Course Details

Subject Code
SPAN

Course Number
101

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning Spanish I

Course Description
Intended both for students with previous experience in the language who have not placed above the first-semester level and for students new to the language. Focuses on acquisition of core vocabulary and grammatical structures necessary for basic communication so students can carry out brief conversations, write about daily life, and explore short culture-based readings in Spanish. Placement at SPAN-101 (or 103) is required. 4 SH.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

SPAN102 - Beginning Spanish II

Course Details

Subject Code
SPAN

Course Number
102

Department(s)
Languages, Literatures & Cultures

Course Title
Beginning Spanish II

Course Description
Continuation of SPAN-101. Focuses on the continued acquisition of core vocabulary and grammatical structures necessary for basic communication so students can further develop their skills for brief conversations, writing about daily life, and exploring short culture-based readings in Spanish. Prerequisite: SPAN-101 or equivalent department-approved placement. 4 SH. CC: Foreign Language.

Course Types
Standard (STAND), World Language (LANGE)

Semester Hours

Semester Hours:
4

SPAN201 - Intermediate Spanish I

Course Details

Subject Code
SPAN

Course Number
201

Department(s)
Languages, Literatures & Cultures

Course Title
Intermediate Spanish I

Course Description
Review and expansion of elementary-level language and cultural skills to the intermediate level. Prerequisite: SPAN-102, placement by examination or equivalent department-approved proficiency. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

SPAN202 - Intermediate Spanish II

Course Details

Subject Code
SPAN

Course Number
202

Department(s)
Languages, Literatures & Cultures

Course Title
Intermediate Spanish II

Course Description
A continuation of SPAN-201, and the first course for the minor and major, this course focuses on grammar structures not covered in 201 and further develops students' language and cultural skills at the intermediate level in preparation for 300-level coursework. Topics of current interest in the Hispanic world form the basis of course activities. Prerequisite: SPAN-201 or equivalent department-approved proficiency. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

SPAN300 - Spanish for Heritage Speakers

Course Details

Subject Code
SPAN

Course Number
300

Department(s)
Languages, Literatures & Cultures

Course Title
Spanish for Heritage Speakers

Course Description
SPAN-300 Spanish for Heritage Speakers This course addresses the specific language skills most relevant to heritage Spanish speakers (students who have been exposed to Spanish informally or in domestic environments). It focuses on the acquisition and improvement of critical communication in Spanish. Using materials taken from a variety of real-life contexts primarily emphasizing U.S. Latinx communities, the course aims to sharpen heritage speakers' sociolinguistic competency and ability to interpret musical, cinematic, and literary works in Spanish. Prerequisite: SPAN-202 or equivalent department-approved proficiency or interview with the professor. 4 SH.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

SPAN301 - Advanced Conversation & Oral Expression

Course Details

Subject Code
SPAN

Course Number
301

Department(s)
Languages, Literatures & Cultures

Course Title
Advanced Conversation & Oral Expression

Course Description
Develops communicative abilities at the advanced level along with knowledge of the Hispanic world. Emphasis on building oral proficiency. Prerequisite: SPAN-202 or equivalent department-approved proficiency. Required for the major. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

SPAN302 - Grammar and Composition

Course Details

Subject Code
SPAN

Course Number
302

Department(s)
Languages, Literatures & Cultures

Course Title
Grammar and Composition

Course Description
Reinforces the fundamental grammar studied previously and introduces more advanced structures. Emphasis on development of writing skills. Prerequisite: SPAN-202 or equivalent department-approved proficiency. Required for the major. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

SPAN310 - Topics in Hispanic Culture

Course Details

Subject Code
SPAN

Course Number
310

Department(s)
Languages, Literatures & Cultures

Course Title
Topics in Hispanic Culture

Course Description
In-depth study of a selected topic of interest for both majors and minors. Prerequisite: SPAN-300 or -301, and SPAN-302 or equivalent department-approved proficiency. CC: Diversity Intensive. 4 SH.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

SPAN445 - Seminar in Peninsular Spanish Studies

Course Details

Subject Code
SPAN

Course Number
445

Department(s)
Languages, Literatures & Cultures

Course Title
Seminar in Peninsular Spanish Studies

Course Description
In depth study of a selected topic of interest for majors. Research paper required. Prerequisite: Senior standing or equivalent department-approved proficiency. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Standard (STAND), Peninsular Spanish (PNLAR), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

SPAN447 - Seminar in Hispanic-American Studies

Course Details

Subject Code
SPAN

Course Number
447

Department(s)
Languages, Literatures & Cultures

Course Title
Seminar in Hispanic-American Studies

Course Description
In depth study of a selected topic of interest for majors. Hispanic-American encompasses both Spanish America and Hispanic cultures in the United States. Prerequisite: Senior standing or equivalent department-approved proficiency. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

SPAN503 - Internship

Course Details

Subject Code
SPAN

Course Number
503

Department(s)
Languages, Literatures & Cultures

Course Title
Internship

Course Description
Supervised employment in an appropriate modern language environment. Prerequisite: Department permission. 4-8 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
4

Credit Hours Max:
8

SPAN542 - Independent Study

Course Details

Subject Code
SPAN

Course Number
542

Department(s)
Languages, Literatures & Cultures

Course Title
Independent Study

Course Description
Prerequisites: 48 semester hours, a cumulative 3.00 or higher GPA, approval of supervising instructor and course area department head. 1-4 SH. Counts toward the major and minor.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

SPAN599 - Senior Language Proficiency Evaluation

Course Details

Subject Code
SPAN

Course Number
599

Department(s)
Languages, Literatures & Cultures

Course Title
Senior Language Proficiency Evaluation

Course Description
Non-credit. Required for all majoring students. Individually scheduled. Taken only in the student's final semester prior to graduation. Graded on a satisfactory/ unsatisfactory basis.

Course Types
Comprehensive Exam (COMP)

Semester Hours

Semester Hours:
0

Leadership Department

Faculty Coordinator

Joseph Giomboni, Ph.D., Associate Professor of Communications

Programs

Leadership Minor

About the Program

Program Title
Leadership Minor

Program Code
MINR.LSHP

Program Description
The leadership minor is designed to focus attention in a concentrated way on a key goal of a Susquehanna education: preparing students for a lifetime of leadership in a diverse and changing world. The minor allows students to explore the challenges faced by leaders, both today and in the future.

While pursuing the minor, students will examine the qualities needed to serve as ethically trustworthy and competent leaders in a wide variety of venues, such as business, government, community, and the non-profit sector. To complete the minor students are required to serve in at least one leadership position on campus (e.g. as a resident assistant, a member of the Student Government Association, president of a club, officer of a sorority/fraternity, captain of a sports team, participant in ROTC, etc.).

Double-counting Restriction
Only 4 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
Students minoring in leadership complete 20 semester hours with grades of C- or higher, including LSHP-502 Leadership Seminar and at least one course from each of the areas listed below. Minors are also encouraged to complete a Leadership practicum with a grade of S as part of their 20 hours. While LSHP-502 is required for the minor, the other LSHP courses (100, 200, 500) can be used to count toward any of the three areas.

4 Ethics

CHEM-303 Scientific Ethics, Blunders, and Fraud

COMM-201 Ethics and Leadership

PHIL-122 Resolving Moral Conflicts

PHIL-125 Justice

PHIL-150 Race, Class, and Ethics

PHIL-255 Plato's Republic and HBO's The Wire

RELI-104 Ethics in Biblical Stories

RELI-107 Faiths and Values

RELI-315 Being Awesome at Life

RELI-318 Confucian Ethics

4 Personal Interactions and Group Dynamics

ANTH-162 Intro to Anthropology

ANTH-152 Public Culture

COMM-191 Interpersonal Communication

COMM-192 Public Speaking

COMM-194 Intercultural Communication

COMM-391 Team Communications

ENGL-385 Making Democracy Work

MGMT-468 Women in Organizations

PSYC-101 Principles of Psychology

PSYC-230 Social Psychology

PSYC-245 Personality

PSYC-350 Psychology, Culture, and Ethnicity

RELI-316 Doaism, Zen and Authenticity

SOCI-101 Principles of Sociology

SOCI-102 Social Problems

WGST-100 Introduction to Women's and Gender Studies

4 Issues in Leadership

BSAN-174 Data Collection and Modeling

BSAN-233 Data-Driven Decision Making

EENV-242 Climate and Global Change

ENST-301 Current Topics in Environmental Studies

ECON-315 Managerial Economics

ENGL-299 Professional and Civic Writing: Practice and Theory

MGMT-240 Principles of Management

MGMT-290 Non-Profit Management

MGMT-360 Management and Organizational Behavior

MUSC-369 Beginning Conducting

MUSC-371 Instrumental Conducting

MUSC-372 Choral Conducting

MUSC-275 Intro to Arts Leadership

POLI-131 International Relations

POLI-212 Introduction to Public Policy

POLI-310 Public Opinion and Political Psychology

POLI-316 The American Presidency

POLI-321 European Union

POLI-351 Public Administration

ROTC-102 Introduction to Leadership

ROTC-401 Leadership Challenges and Goal Setting

THEA-340 Stage Management and Theatre Operations

THEA-451 Directing

Courses

LSHP100 - SU Service Leaders Seminar

Course Details

Subject Code
LSHP

Course Number
100

Department(s)
Leadership

Course Title
SU Service Leaders Seminar

Course Description
SU Service Leaders (SUSL) Seminar: Identity and Community in Service and Leadership. Open to students accepted into the SUSL program, this course prepares students for their role as service leaders in the community and on-campus. It focuses on developing awareness of, taking action on, and learning accountability to make a connection between critical reflection about students' own identities and the ways they interact with the community. Acceptance into the SUSL program required. Prerequisite: Instructor permission. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

LSHP200 - SUConnects Mentor Training Seminar

Course Details

Subject Code
LSHP

Course Number
200

Department(s)
Leadership

Course Title
SUConnects Mentor Training Seminar

Course Description
LSHP-200 SUConnects Mentor Training Seminar. Open to students accepted into the SUConnects Mentor program, this course prepares students to for their role as mentors for first-year students. Students will explore issues facing students from traditionally underrepresented backgrounds. They will focus on recognizing, exploring, and strengthening their leadership skills. Prerequisite: Acceptance into the SUConnects Mentor program and/or consent of instructor. 2 SH.

Semester Hours

Semester Hours:
2

LSHP500 - Leadership Practicum

Course Details

Subject Code
LSHP

Course Number
500

Department(s)
Leadership

Course Title
Leadership Practicum

Course Description
Open to students who are currently in a leadership position, the practicum includes both formal professional training and written reflection. May be repeated for up to four credit hours total in conjunction with different leadership roles. Requires approval of the Leadership Minor Director. S/U grade. Credits may apply to any of the four leadership minor areas. Prerequisite: Completion of 12 SH at Susquehanna University. 1-2 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
2

LSHP502 - Leadership Seminar

Course Details

Subject Code
LSHP

Course Number
502

Department(s)
Leadership

Course Title
Leadership Seminar

Course Description
The leadership seminar is the culminating course in the leadership minor. Students will explore the challenges faced by leaders both today and in the future. They will examine the qualities needed to serve as ethically trustworthy and competent leaders in a wide variety of venues, such as business, government, community, non-profit sector, and so on. Students will also have the opportunity to reflect on their own experiences of leadership during their tenure at SU. Prerequisites: Completion of at least 12 semester hours for the leadership minor. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Legal Studies Department

Faculty Coordinator

Alison H. Merrill, Ph.D., Assistant Professor of Political Science

Nicholas J. Clark, Ph.D., Professor of Political Science

Programs

Legal Studies (BA)

About the Program

Program Title
Legal Studies (BA)

Degree
Bachelor of Arts

Program Code
LGLS.BA

Program Description
Legal Studies is an interdisciplinary major that focuses on legal ideas, legal institutions, and the legal process and the relationship between that process and larger social and political forces. The major is a pre-professional program focused on allowing students to better appreciate the implications of the law for individual rights and liberties, the relationships between different groups within society, and the functioning of our political system and to discover if they want to pursue a legal career. The program of study includes courses from Political Science, Sociology, Anthropology, Philosophy, and other subjects. Courses are designed to help students develop their ability to think clearly and to analyze arguments critically.

Learning Goals
- Knowledge about the American civil and criminal legal system, including both the institutions and the processes
- Knowledge about the rights and responsibilities upheld within the American legal system
- Familiarity with at least three different disciplinary approaches to the study of the legal system and the relationships between those approaches
- An understanding of the implications of the law for social and political behavior
- An ability to analyze and critique complex arguments, showing strong analytical reasoning abilities

Double-counting Restriction
There are no restrictions on double-majoring with another program or minoring with another program, other than that a Legal Studies major cannot double-count more than 12 SH with another major or minor.

Program Requirements

Requirements
36 **All Legal Studies majors must complete the following courses:**

4 ACCT-210 Legal Environment

4 ENGL-299 Professional and Civic Writing: Theory and Practice

4 PHIL-122 Resolving Moral Conflicts **OR** PHIL 125 Justice

4 PHIL-213 Symbolic Logic

4 POLI-111 American Government and Politics

4 POLI-215 Law and Politics

4 POLI-411 Constitutional Law

4 POLI-412 Civil Liberties

4 SOCI-255 Crime and Justice **OR** SOCI-350 Punishment and Society

8 **Complete 8 SH of the following courses:**

2 ACCT-220 Intro to Taxation (2 SH)

2 ACCT-310 Advanced Business Law

4 ANTH-311 Regulating Bodies: Food, Sex, Drugs, and the Economy

4 COMM-481 Media Law

4 ENST-335 Environmental Law and Regulations

4 MGMT-416 Intellectual Property and Business

4 PHIL-150 Race, Class, and Ethics

4 POLI-334 International Organizations and Law

4 SOCI-311 Sociological Theory

0-4 **Internship**

Students must complete an internship, which may or may not count for credit.

Capstone

A capstone experience is required for the major. If a student has not completed a capstone for another program, the Director of Legal Studies will work with them to identify a possible capstone experience (such as POLI-501 Senior Seminar).

Legal Studies Minor

About the Program

Program Title
Legal Studies Minor

Program Code
MINR.LGLS

Program Description
The legal studies minor is not to be regarded as a prelaw program but is designed to be compatible with and complement various major programs, including those that remain traditional foundations for careers in law. Students planning a legal studies minor should declare their intention during their sophomore year to ensure that the required courses will fit into their program.

Double-counting Restriction
Only 8 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
To complete the 24-semester-hour minor in legal studies, students must take the following courses: ACCT-210 Legal Environment, POLI-215 Law and Politics, and one of the following: SOCI-255 Crime and Justice, or SOCI-350 Punishment and Society. Twelve additional semester hours must be selected from the following (at least one of these electives must be at the 300- or 400-level and not already counted toward one of the above requirements): ACCT-220 Introduction to Taxation; ACCT-310 Advanced Business Law; ACCT-496 when taught as 'Fraud and Forensic Accounting'; ANTH-311 Regulating Bodies; COMM-481 Media Law; ENST-335 Environmental Laws and Regulations; MGMT-416 Intellectual Property and Business; MGMT-362 Employment Law; PHIL-125 Justice; PHIL-122 Resolving Moral Conflicts; POLI-334 International Organizations and Law; POLI-411 Constitutional Law; POLI-412 Civil Liberties; SOCI-255 Crime and Justice; SOCI-350 Punishment and Society; and LGST-505 Internship in Legal Studies. Other courses may count as electives with the approval of the legal studies coordinator. Students minoring in legal studies are urged to take additional courses in history, economics, sociology, political science and other related fields. Students should note that the required and elective Sociology courses have a prerequisite of SOCI-101 or ANTH-162.

Further information may be secured from Assistant Professor of Political Science Alison Merrill, coordinator of the legal studies program.

Management & Marketing Department

Faculty

Hualu Zheng, Ph.D., Assistant Professor of Marketing, department head

Emma Fleck, Ph.D., Professor of Entrepreneurship and Marketing

Yingying Li, Ph.D., Assistant Professor of Marketing

Jessica J. Masterton, Ph.D., Assistant Professor of Publishing and Media Entrepreneurship

Joanna Pishko, Ph.D., Assistant Professor of Marketing

Krista Troiani, Ph.D., Assistant Professor of Management

Rifat Sharmelly, Ph.D., Assistant Professor of Management

Basil Holobetz, MBA, Lecturer in Management

Lauren Elsasser Smith, MBA, Lecturer in Management and Marketing

Chanin Wendling, MBA, Visiting Professor of Management

Michael Woody, DBA, Visiting Professor of Management

Programs

Entrepreneurship & Corporate Innovation (BS)

About the Program

Program Title
Entrepreneurship & Corporate Innovation (BS)

Degree
Bachelor of Science

Program Code
ENTR.BS

Program Description
The Entrepreneurship and Corporate Innovation major is designed to develop the skills needed to start a business or thrive as an entrepreneurial thinker within a corporate environment. Students are given an opportunity to develop their entrepreneurial skills in conjunction with a focus on management, marketing, sales, negotiation and communication. This flexible program supports both innovation within new venture creation and existing corporate structures through the development of problem solving and creative thinking skills, the ability to recognize opportunities, and develop plans to capitalize on high-potential ideas. The unique strength of this program is that it combines theory with practice, providing students the opportunity to test the theories, models, and strategies learned in the classroom by creating their own businesses, working within businesses, and gaining access and insight from leaders in the entrepreneurial business community.

Learning Goals
- Develop an entrepreneurial mindset that can be used to develop viable career options in entrepreneurship and the corporate environment
- Expand conceptual knowledge of the entrepreneurial processes and practice these by starting a venture or within an existing organization
- Develop a repertoire of venture management tools and techniques which can also be used in a diverse range of businesses

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Courses that fulfill the electives for the major in Entrepreneurship and Innovation may not also be used to satisfy requirements of minors offered by the Sigmund Weis School of Business.

Program Requirements

Requirements

Business Foundation Courses

Complete one of the following Introduction to Business classes:

4	MGMT-196	Global Business Perspectives
2	MGMT-138	Fundamentals of Business

Complete one of the following statistics classes:

4	MATH-108	Introduction to Statistics
4	MATH-180	Statistical Methods
4	MGMT-202	Business Statistics
4	PSYC-123	Statistics for the Behavioral Sciences

Required courses:

4	ACCT-200	Financial Accounting
4	ACCT-210	Legal Environment
4	ACCT-230	Managerial Accounting
4	BSAN-174	Data Collection and Modeling
4	BSAN-472	Data Insight and Visualization
4	ECON-201	Principles of Macroeconomics
4	ECON-202	Principles of Microeconomics
4	FINC-340	Corporate Financial Management
2	MGMT-105	Introduction to Professional Development
4	MGMT-240	Principles of Management
4	MGMT-400	Business Policy and Strategy
4	MKTG-280	Marketing

No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester business students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

Entrepreneurship & Innovation Major Requirements

The Entrepreneurship and Innovation major requires completion of the business foundation, and 24 semester hours as follows:

16	**Required courses:**	
4	ACCT-345	Entrepreneurial Finance and Accounting
4	MGMT-230	Entrepreneurship and Innovation
4	MGMT-333	New Ventures: Start-up to Exit
4	MGMT-434	Entrepreneurial Experience
8	**Choose from the following:**	
4	COMM-215	Introduction to professional selling
4	MGMT-360	Management and Organizational Behavior
4	MGMT-361	Human Resource Management
4	MGMT-437	Social & Sustainable entrepreneurship
2	MGMT-466	Negotiations
4	MKTG-320	Digital Marketing
2	MKTG-321	Social Media Marketing
4	MKTG-381	Marketing research
4	MKTG-382	Consumer Behavior

International Business (BS)

About the Program

Program Title
International Business (BS)

Degree
Bachelor of Science

Program Code
INTBUS.BS

Program Description
International Business majors develop the cross-cultural and business skills to effectively manage all types of enterprises in a global environment as well as prepare local and national organizations to expand across international borders. This major integrates both a theoretical and applied background in International Business. Students are required to complete an International Internship which enables them to experience first-hand, the differences and challenges in working in a foreign environment while developing an understanding and appreciation of other cultures. This major is intended for students who want to actively participate in our diverse, dynamic and interdependent global economy.

Learning Goals
- Develop a cultural awareness and sensitivity to global business customs and practices
- Develop an understanding of the external forces which affect the operations of international business
- Evaluate the progressive movement from competition to collaboration by practicing the various global communication and negotiation styles
- Analyze and assess global logistic mechanisms and how to leverage this as a competitive advantage in international business

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Marketing & Management. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Program Requirements

Requirements

Business Foundation Courses

Complete one of the following Introduction to Business classes:

4	MGMT-196	Global Business Perspectives
2	MGMT-138	Fundamentals of Business

Complete one of the following statistics classes:

4	MATH-108	Introduction to Statistics
4	MATH-180	Statistical Methods
4	MGMT-202	Business Statistics
4	PSYC-123	Statistics for the Behavioral Sciences

Required courses:

4	ACCT-200	Financial Accounting
4	ACCT-210	Legal Environment
4	ACCT-230	Managerial Accounting
4	BSAN-174	Data Collection and Modeling
4	BSAN-472	Data Insight and Visualization
4	ECON-201	Principles of Macroeconomics
4	ECON-202	Principles of Microeconomics
4	FINC-340	Corporate Financial Management
2	MGMT-105	Introduction to Professional Development
4	MGMT-240	Principles of Management
4	MGMT-400	Business Policy and Strategy
4	MKTG-280	Marketing

No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester business students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

International Business Major Requirements

The international business major requires completion of the business foundation, an internship in a foreign country and completion of the following classes:

4	ECON-338 International Political Economy
4	MGMT-350 International Business
4	MGMT-404 Global Business Ethics
4	MGMT-405 Global Supply Chain Logistics
4	MGMT-411 Global Strategic Management
2	MGMT-466 Negotiations
2	MKTG-317 International Marketing

0-4 International Internship: Students must complete an international internship. This can be non credit bearing or 1–4 credits. However, any credits earned will be in addition to the required semester hours for the major and may not substitute for any required course.

Luxury Brand Management & Marketing (BS)

About the Program

Program Title
Luxury Brand Management & Marketing (BS)

Degree
Bachelor of Science

Program Code
LUXMM.BS

Program Description
From family businesses to international conglomerates, luxury goods and services provide global management challenges and opportunities. Luxury goods and services are rapidly expanding markets and include everything from athletic teams, sports cares, and resorts to the fashion and jewelry industries. Students in this major study the business models and unique marketing strategies that are often counter-intuitive but integral to the successful management and marketing of luxury brands. Students will develop an advanced awareness of consumer behavior and consumer relationship management and learn to apply effective strategic marketing techniques to this fiercely competitive market. The increasing focus on sustainability, the impact of today's international economy, and the unique legal issues involved in the luxury sector are key to understanding this sector of goods and services.

The goal of the Luxury Brand Management & Marketing major is to assist students with gaining the knowledge and skills to develop a global vision of the business, leadership, marketing, and managerial abilities to manage successfully a luxury brand.

Learning Goals
- Develop a comprehensive understanding of core marketing concepts and elements of a marketing plan
- Expand upon the conceptual knowledge of marketing theory to develop a thorough understanding of luxury marketing theory, the luxury consumer, and luxury brand management
- Acquire proficiency in using data research and analytics to develop strategies for companies within the luxury industry
- Advance marketing strategies for the luxury industry within a digital context

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Marketing & Management. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Courses that fulfill the electives for the major in Entrepreneurship and Innovation may not also be used to satisfy requirements of minors offered by the Sigmund Weis School of Business.

Program Requirements

Requirements

Business Foundation Courses

Complete one of the following Introduction to Business classes:

4	MGMT-196	Global Business Perspectives
2	MGMT-138	Fundamentals of Business

Complete one of the following statistics classes:

4	MATH-108	Introduction to Statistics
4	MATH-180	Statistical Methods
4	MGMT-202	Business Statistics
4	PSYC-123	Statistics for the Behavioral Sciences

Required courses:

4	ACCT-200	Financial Accounting
4	ACCT-210	Legal Environment
4	ACCT-230	Managerial Accounting
4	BSAN-174	Data Collection and Modeling
4	BSAN-472	Data Insight and Visualization
4	ECON-201	Principles of Macroeconomics
4	ECON-202	Principles of Microeconomics
4	FINC-340	Corporate Financial Management
2	MGMT-105	Introduction to Professional Development
4	MGMT-240	Principles of Management
4	MGMT-400	Business Policy and Strategy
4	MKTG-280	Marketing

No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester business students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

Luxury Brand Management & Marketing Major Requirements

The Luxury Brand Marketing & Management major requires completion of the business foundation and the following courses:

4	LBMM-216 Luxury Brand Management & Marketing
4	LBMM-316 Advanced Luxury Branding
4	LBMM-385 Retail & Visual Merchandising
4	MKTG-320 Digital Marketing
4	MKTG-381 Marketing Research

4 Semester credits selected from the following courses:

2	COMM-102 Methods of Adobe Creative Suite
4	COMM- 215 Introduction to Professional Selling
2	MKTG-317 International Marketing
2	MKTG-321 Social Media Marketing
2-4	MKTG-486 Topics in Marketing
4	MKTG-488 Marketing Analytics
4	MGMT-230 Entrepreneurship and Innovation
4	MGMT-350 International Business

Management (BS)

About the Program

Program Title
Management (BS)

Degree
Bachelor of Science

Program Code
MGMT.BS

Program Description
Management majors learn how to plan, organize, lead and control business operations. This includes the ability to manage people and relationships in for-profit and non-profit organizations and grow business opportunities. This major provides a broad background in management and is intended for students who wish to manage and lead organizational activities.

Learning Goals
- Analyze and apply foundational theories and concepts of management and organizational behavior to real-world scenarios, fostering critical thinking and problem-solving skills essential for effective leadership roles
- Evaluate human resource management strategies and practices, including recruitment, training, performance evaluation, and employee relations to develop proficiency in managing personnel and company resources effectively, efficiently, and ethically within organizational contexts
- Examine the principles and practices of sustainable business management, including environmental stewardship, social responsibility, and ethical decision-making, to cultivate an understanding of how businesses can integrate sustainability into their operations for long-term success and societal impact
- Introduce and apply effective negotiating and conflict resolving practices which will empower students to build partnerships across diverse cultural, political, and organizational boundaries, promoting ethical decision-making and driving collective success in a globalized world

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Courses that fulfill the electives for the major in Entrepreneurship and Innovation may not also be used to satisfy requirements of minors offered by the Sigmund Weis School of Business.

Program Requirements

Requirements

Business Foundation Courses

Complete one of the following Introduction to Business classes:

4	MGMT-196	Global Business Perspectives
2	MGMT-138	Fundamentals of Business

Complete one of the following statistics classes:

4	MATH-108	Introduction to Statistics
4	MATH-180	Statistical Methods
4	MGMT-202	Business Statistics
4	PSYC-123	Statistics for the Behavioral Sciences

Required courses:

4	ACCT-200	Financial Accounting
4	ACCT-210	Legal Environment
4	ACCT-230	Managerial Accounting
4	BSAN-174	Data Collection and Modeling
4	BSAN-472	Data Insight and Visualization
4	ECON-201	Principles of Macroeconomics
4	ECON-202	Principles of Microeconomics
4	FINC-340	Corporate Financial Management
2	MGMT-105	Introduction to Professional Development
4	MGMT-240	Principles of Management
4	MGMT-400	Business Policy and Strategy
4	MKTG-280	Marketing

No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester business students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

Management Major Requirements
The management major requires completion of the business foundation and the following coursework:

4	MGMT-360 Management and Organizational Behavior
4	MGMT-361 Human Resource Management
4	MGMT-373 Managing for Sustainability
2	MGMT-379 Business-Government Relations
2	MGMT-466 Negotiations
8	**Semester hours chosen from the following:**
4	MGMT-290 Non-Profit Management
4	MGMT-333 New Ventures and Corporate Innovation
4	MGMT-350 International Business
2	MGMT-351 Seminar in European Business Operations
4	MGMT-404 Global Business Ethics
2-8	MGMT-467 Topics in Management
2-4	MGMT-503 Internship

Business Administration Minor

About the Program

Program Title
Business Administration Minor

Program Code
MINR.BUSI

Program Requirements

Requirements
The minor in business administration requires six to eight courses totaling at least 24 semester hours. The minor in Business Administration is not available to students in the Sigmund Weis School of Business.

To complete the minor, students must have a GPA of at least 2.00 and no grade below C- in courses chosen from the following:

4 ACCT-200 Financial Accounting

4-8 ECON-105 Elements of Economics **or both** ECON-201 Macroeconomics **and** ECON-202 Microeconomics

4 MGMT-202 Business Statistics or MATH-108 Introduction to Statistics or MATH-180 Statistical Methods or PSYC-123 Statistics for the Behavioral Sciences

12 Choose from the following (12 SH minimum):

4 BSAN-174 Data Collection and Modeling

4 FINC-340 Corporate Financial Management

4 MKTG-280 Marketing

4 MGMT-240 Principles of Management

4 MGMT-360 Management and Organizational Behavior

Entrepreneurship & Innovation Minor

About the Program

Program Title
Entrepreneurship & Innovation Minor

Program Code
MINR.ENTR

Program Description
Entrepreneurship is important to the overall economic future of our society, as well as being a leading area of interest to students. The creation of new products, services, jobs, business, and, in fact, entire industries is more dependent upon entrepreneurship today than it ever has been in the past. The importance of entrepreneurship has become more widely acknowledged and understood, generating enormous opportunities for entrepreneurial thinking and considerable interest in the field by students and educators.

Double-counting Restriction
No semester hours of this minor can be double-counted toward the student's major or additional minor.

Program Requirements

Requirements
To complete the minor students must have a GPA of at least 2.00 in the minor coursework and must complete the following courses with grades of C- or higher.

4 MGMT-230 Entrepreneurship and Innovation

4 MGMT-333 New Ventures and Corporate Innovation

4 MGMT-434 Entrepreneurial Experience

4 MGMT-437 Social and Sustainable Entrepreneurship

International Business Minor

About the Program

Program Title
International Business Minor

Program Code
MINR.INTBUS

Program Description
The minor in International Business provides students with practical knowledge and essential skills to succeed in the global business environment. Grounded in core business principles, the minor focuses on topics such as international trade, global supply chains, international marketing, and cross-border management. Students gain a deeper understanding of how businesses operate across national boundaries, addressing challenges related to culture, regulation, logistics, and strategy. This minor is designed to complement business and related majors, and prepares students for careers in international business roles within multinational corporations, global startups, and export-oriented organizations.

Double-counting Restriction
Students can double-count a maximum of 8 SH with another major or minor.

Program Requirements

Requirements
Requirements for the minor

4 MGMT – 240 Principles of Management

4 MKTG – 280 Principles of Marketing

4 MGMT-350 International Business

4 MGMT – 404 Global Business Ethics

4 MGMT – 405 Global Supply Chain Logistics

4 MGMT-411 Global Strategic Management

2 MKTG – 317 International Marketing

Luxury Brand Management & Marketing Minor

About the Program

Program Title
Luxury Brand Management & Marketing Minor

Program Code
MINR.LBMM

Program Description
The minor in luxury brand management & marketing provides an opportunity for students to gain skills and expertise in managing and marketing luxury brands. The minor incorporates concepts from art, storytelling, social psychology, and graphic design along with basic business concepts to introduce students to the world of luxury, and teach them the foundational concepts in luxury brand management and marketing.

Double-counting Restriction
Only 4 semester hours of this minor may be double-counted toward the student's major.

Note: the minor is not available to students majoring in marketing.

Program Requirements

Requirements
The minor in Luxury Brand Management & Marketing requires a total of 22 credit hours

18	**Required Courses:**	
4	LBMM-216	Luxury Brand Management & Marketing
4	LBMM-316	Advanced Luxury Branding
4	MKTG-280	Marketing
4	MKTG-320	Digital Marketing
2	MKTG-321	Social Media Marketing
4	**Choose from the following:**	
4	COMM-418	Advertising Campaigns
4	LBMM-385	Retailing and Visual Merchandising
2	MKTG-317	International Marketing
4	MKTG-381	Marketing Research
4	MKTG-382	Consumer Behavior
2-4	MGMT-467	Topics in Marketing

Management Minor

About the Program

Program Title
Management Minor

Program Code
MINR.MGMT

Program Description
The minor in Management provides an opportunity for students to gain a business minor with a focus on the management of people and resources. This important functional area of business is currently provided as a major within the department but in using the courses already being offered, this minor widens the access to both SWSB majors (excluding Management majors) and students throughout the campus that would be interested in management as an additional skill set to their liberal arts and science major.

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Only 4 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
To complete the minor students must have a GPA of at least 2.00 and no grade below C- in courses outlined below.

4	MGMT-240	Principles of Management
4	MGMT-360	Management and Organizational Behavior
4	MGMT-361	Human Resource Management
4	MGMT-373	Managing for Sustainability
2	MGMT-466	Negotiations
4	**Choose from the following:**	
4	MGMT-290	Non-Profit Management
4	MGMT-333	New Ventures and Corporate Innovation
4	MGMT-351	Seminar in European Business Operations
2	MGMT-379	Business-Government Relations
4	MGMT-404	Global Business Ethics
2-4	MGMT-467	Topics in Management
2-4	MGMT-503	Internship

Marketing Minor

About the Program

Program Title
Marketing Minor

Program Code
MINR.MKTG

Double-counting Restriction
Only 4 semester hours of this minor may be double-counted toward the student's major.

Program Requirements

Requirements
The minor in marketing requires 20 semester hours. To complete the minor, students must have a GPA of at least 2.00 in the minor coursework and no grade below a C- in courses taken from the following:

Required

4	MKTG-280	Marketing
16	**Choose from the following:**	
4	BSAN-174	Data Collection and Modeling
4	COMM-418	Advertising Campaigns
4	LBMM-216	Luxury Brand Management & Marketing
4	LBMM-316	Advanced Luxury Branding
4	LBMM-385	Retail & Visual Merchandising
4	MKTG-320	Digital Marketing
2	MKTG-321	Social Media Marketing
4	MKTG-381	Marketing Research
2	MKTG-317	International Marketing
4	MKTG-382	Consumer Behavior
2-4	MKTG-486	Topics in Marketing
4	MKTG-488	Marketing Analytics

Professional Sales Minor

About the Program

Program Title
Professional Sales Minor

Program Code
MINR.SALE

Program Description
The Professional Sales minor provides students with a comprehensive understanding of the sales function in an organization, and prepares them for a career in sales through a mix of business and communication classes. The sales function is vitally important as it is the only revenue generating function in an organization. Upon meeting the requirements of the sales minor, the student will understand the selling process, customer relationship management (CRM), creating and executing successful presentations and sales strategies, and managing the sales function.

Double-counting Restriction
No credits from this minor can double count towards a student's major. If a student completes one of the aforementioned classes from this program as part of their major, they should choose from the alternative electives provided. Note: SWSB students cannot take ECON-105 Elements of Economics.

Program Requirements

Requirements
The minor in Professional Sales requires a total of 16 credit hours: 12 credit hours of required courses and 4 credit hours of elective classes. To complete the minor, students must have a GPA of at least 2.00 and no grade below C- in courses outlined below:

Required:

4	COMM-215 Professional Selling
4	COMM-315 Advanced Professional Selling
4	MGMT-438 Sales Management

A minimum of 4 semester hours from the following:

4	COMM-211 Intro to Advertising and Public Relations
2-4	COMM-505 or MGMT-504 Internship
4	ECON-105, ECON-201 or ECON-202
4	MKTG-280 Principles of Marketing
2	MGMT-466 Negotiations

Marketing (BS)

About the Program

Program Title
Marketing (BS)

Degree
Bachelor of Science

Program Code
MRKTNG.BS

Program Description
Marketing involves managing the interface between an organization and its customers by determining their needs and behaviors and delivering need-satisfying value to them while meeting the organization's goals. Marketing has a fundamental role in virtually all business decisions and in directing the efforts of customer- driven organizations. Marketing is essential not only to retailers, wholesalers and manufacturers, but also to attorneys, accountants, museums, hospitals, colleges, and performing arts and political action groups.

Learning Goals
- Develop a comprehensive understanding of core marketing concepts and elements of a marketing plan
- Evaluate consumers segments and develop a deep understanding of consumer buying behavior
- Develop a high level of proficiency in using data research and analytics to solve real-world marketing issues
- Implement marketing strategies in a digital context

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Program Requirements

Requirements

Business Foundation Courses

Complete one of the following Introduction to Business classes:

4	MGMT-196	Global Business Perspectives
2	MGMT-138	Fundamentals of Business

Complete one of the following statistics classes:

4	MATH-108	Introduction to Statistics
4	MATH-180	Statistical Methods
4	MGMT-202	Business Statistics
4	PSYC-123	Statistics for the Behavioral Sciences

Required courses:

4	ACCT-200	Financial Accounting
4	ACCT-210	Legal Environment
4	ACCT-230	Managerial Accounting
4	BSAN-174	Data Collection and Modeling
4	BSAN-472	Data Insight and Visualization

4	ECON-201	Principles of Macroeconomics
4	ECON-202	Principles of Microeconomics
4	FINC-340	Corporate Financial Management
2	MGMT-105	Introduction to Professional Development
4	MGMT-240	Principles of Management
4	MGMT-400	Business Policy and Strategy
4	MKTG-280	Marketing

No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester business students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

Marketing Major Requirements

The marketing major requires completion of the business foundation and 24 semester hours as follows:

2	MKTG-317 International Marketing
4	MKTG-320 Digital Marketing
2	MKTG-321 Social Media Marketing
4	MKTG-381 Marketing Research
4	MKTG-382 Consumer Behavior
4	MKTG-488 Marketing Analytics
4	**Choose from the following (4 SH minimum):**
4	COMM-418 Advertising Campaigns
4	LBMM-216 Luxury Brand Management & Marketing
4	LBMM-316 Advanced Luxury Branding
4	LBMM-385 Retail & Visual Merchandising
4	MGMT-416 Intellectual Property and Business
2-4	MKTG-486 Topics in Marketing
4	PSYC-230 Social Psychology

Professional Sales (BS)

About the Program

Program Title
Professional Sales (BS)

Degree
Bachelor of Science

Program Code
PSALE.BS

Program Description
Professional Sales is an interdisciplinary program that draws on the strength of the Communications Department and the Sigmund Weis School of Business and provides students the opportunity to earn either a major or a minor in professional sales. The Professional Sales program prepares students for successful careers in sales by providing a comprehensive understanding of the sales process, effective communication, and the ability to navigate the competitive and dynamic business landscape.

Susquehanna University has two degree programs in professional sales. The Bachelor of Arts (B.A.) degree is a liberal arts degree earned in the university's School of Humanities, incorporating a solid communication foundation into professional sales studies. The Bachelor of Science (B.S.) degree is earned in the Sigmund Weis School of Business. It integrates extensive business administration coursework into the study of professional sales.

Learning Goals
- Gain a solid understanding of sales principles, including prospecting, qualifying leads, presenting solutions, negotiating, and closing deals, with a focus on practical application in simulated and real-world scenarios
- Learn effective negotiation tactics and strategies to effectively handle objections and secure successful outcomes
- Develop polished presentation skills for delivering sales pitches across various platforms
- Cultivate networking skills to build and maintain relationships with customers, colleagues, and industry professionals, which can be invaluable for career growth and success in sales
- Understand sales management fundamentals, including leadership, training, and performance evaluation
- Develop skills related to effective communication in the sales process, enabling students to build strong relationships with clients, understand their needs, and convey value propositions persuasively

Double-counting Restriction
A student can declare two majors within the Sigmund Weis School of Business, but they may not declare a double major in both 1) Marketing and 2) Luxury Brand Management & Marketing. Students must complete all the requirements for both declared majors. Students may only double-count the courses included in the Business Foundation requirements. Therefore, if a course is used to satisfy a requirement of one major, that same course may not be used to fulfill a requirement of the second major within the School of Business.

Program Requirements

Requirements
Combining a professional sales degree with a business foundation will equip students to excel in the competitive field of sales and contribute effectively to any organization. Candidates for the Bachelor of Science with a major in professional sales successfully complete the business foundation courses as follows and 22-26 semester hours of professional sales courses listed below. No grade below a C- will be accepted toward graduation for foundation courses; upon earning a grade below C- in a foundation course, the student must retake the course the

next semester in which it is offered. The course descriptions listed later in the catalog identify prerequisites, and these suggest a certain degree of order in completing the foundation. In addition to the foundation, first-semester SWSB students enroll in MGMT-196 Global Business Perspectives (four semester hours), which provides an introduction to liberal studies and college life, as well as an overview of business functional areas, career opportunities and the Sigmund Weis School curriculum. This course satisfies the First-Year Seminar requirement of the Central Curriculum.

Business Foundation Courses

Complete one of the following Introduction to Business classes:

4 MGMT-196 Global Business Perspectives

2 MGMT-138 Fundamentals of Business

Complete one of the following statistics classes:

4 MATH-108 Introduction to Statistics

4 MATH-180 Statistical Methods

4 MGMT-202 Business Statistics

4 PSYC-123 Statistics for the Behavioral Sciences

Required courses:

4 ACCT-200 Financial Accounting

4 ACCT-210 Legal Environment

4 ACCT-230 Managerial Accounting

4 BSAN-174 Data Collection and Modeling

4 BSAN-472 Data Insight and Visualization

4 ECON-201 Principles of Macroeconomics

4 ECON-202 Principles of Microeconomics

4 FINC-340 Corporate Financial Management

2 MGMT-105 Introduction to Professional Development

4 MGMT-240 Principles of Management

4 MGMT-400 Business Policy and Strategy

4 MKTG-280 Marketing

Professional Sales Sequence Courses (22-26 SH)

14-18 Required (14-18)

4 COMM-215 Professional Selling

4 COMM-315 Advanced Professional Selling

4 MGMT-438 Sales Management

2 MGMT-466 Negotiations

0, 2, or 4 MGMT-504 Professional Sales Internship

8 Choose from the following electives

4 COMM-194 Intercultural Communications

4 COMM-211 Introduction to Advertising and Public Relations

4 COMM-391 Team Communications

1 COMM-501 Practicum (may complete multiple practica)

Courses

INTD133 - British Theatre

Course Details

Subject Code
INTD

Course Number
133

Department(s)
Management & Marketing

Course Title
British Theatre

Course Description
Offered to students participating in the London Program of the Sigmund Weis School of Business, this course provides knowledge and exposure to the art of theatre performance by utilizing the rich offerings of the theatre and other fine arts resources in London and England. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

INTD134 - British History/Culture London

Course Details

Subject Code
INTD

Course Number
134

Department(s)
Management & Marketing

Course Title
British History/Culture London

Course Description
Offered to students participating in the London Program of the Sigmund Weis School of Business, this course introduces students to the theories and principles of diversity by examining Great Britain as a case study in diversity. The course explores key aspects diversity in relation to, but not limited to, class, race, gender and sexuality. A key focus will be location-specific study of social and cultural diversity through student exploration of the role played by culture, ethnicity, class, race and gender in Britain's past and in its contemporary life. This will involve exploring the opportunities and challenges faced by individuals, businesses and non-profit organizations in their engagement with issues of equality and social justice. Students will learn about contemporary British culture and they will be able to compare that culture with that of the United States. 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

LBMM216 - Luxury Brand Management & Marketing

Course Details

Subject Code
LBMM

Course Number
216

Department(s)
Management & Marketing

Course Title
Luxury Brand Management & Marketing

Course Description
This course covers the history of luxury brands through the facets of luxury today. It explores how brand equity is created, pricing strategies, the distribution of luxury goods, and various business models for luxury goods. Prerequisite: MKTG-280 Marketing. SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

LBMM316 - Advanced Luxury Branding

Course Details

Subject Code
LBMM

Course Number
316

Department(s)
Management & Marketing

Course Title
Advanced Luxury Branding

Course Description
In this course students explore communication strategies, developing brand equity and luxury brand stretching. The course also covers global trends and innovative strategies for marketing luxury to emerging markets. In addition, it introduces students to the impact of digital technology and the concepts of luxury sustainability and social entrepreneurship. Prerequisite: LBMM-216. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

LBMM385 - Retail and Visual Merchandising

Course Details

Subject Code	Course Number	Department(s)
LBMM	385	Management & Marketing

Course Title
Retail and Visual Merchandising

Course Description
This course covers the various aspects of retail and visual merchandising operations and the role of creativity in the context of luxury industry. Students will explore concepts, theories, and research on retail and visual merchandising and apply that knowledge to real-life examples and class projects. Prerequisite: LBMM-216. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT105 - Introduction to Professional Development

Course Details

Subject Code	Course Number	Department(s)
MGMT	105	Management & Marketing

Course Title
Introduction to Professional Development

Course Description
This course focuses on identifying and clarifying individual values, skills, interests, and personality type to develop suitable career objectives, placing emphasis on the connections between career preparation, academic choices, and co-curricular activities. Students learn how to construct a resume and cover letter and how to conduct an employment search. Primary theories used to teach career planning and development include trait and factor, developmental, learning, and socioeconomic theories. Prerequisite: Sophomore standing. 2 SH.

Course Types
Personal Development (PERS)

Semester Hours

Semester Hours:
2

MGMT138 - Fundamentals of Business

Course Details

Subject Code	Course Number	Department(s)
MGMT	138	Management & Marketing

Course Title
Fundamentals of Business

Course Description
This course offers an overview of business fundamentals, functional areas of business, business careers, and opportunities provided by the Sigmund Weis School of Business. It is designed for students who did not complete Global Business Perspectives during their first semester. The course enables students to assess their interest in business, and it prepares them for their subsequent business courses and careers. A project-based approach enables the integration of critical thinking, strategic analysis, teamwork, and communication skills. The course culminates with team presentations of case analyses to invited business executives. Prerequisite: Business majors only. Credit may not be recieved for both MGMT-196 and MGMT-138. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MGMT196 - Global Business Perspectives

Course Details

Subject Code	Course Number	Department(s)
MGMT	196	Management & Marketing

Course Title
Global Business Perspectives

Course Description
This course offers an overview of business fundamentals, functional areas of business, business careers and opportunities provided by the Sigmund Weis School of Business. The course enables students to assess their interest in business, and it prepares them for their subsequent business courses and careers. A project-based approach enables the integration of critical thinking, strategic analysis, teamwork, and communication skills. The course culminates with team presentations of case analyses to invited business executives. Business majors only. Credit may not be received for both MGMT-196 and MGMT-138. 4SH. CC: First-Year Seminar.

Course Types
Standard (STAND), First-Year Seminar (FYSE)

Semester Hours

Semester Hours:
4

MGMT202 - Business Statistics

Course Details

Subject Code
MGMT

Course Number
202

Department(s)
Management & Marketing

Course Title
Business Statistics

Course Description
Principles and methods of data collection, presentation, analysis and interpretation for business decisions. Includes statistical description, probability theory, and methods of inference; regression and correlation analysis; time-series analysis and index numbers; and chi-square. Introduces computer-based statistical packages. (Students may earn credit for only one of the introductory statistics courses offered by the management, mathematics, or psychology departments). 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

MGMT230 - Entrepreneurship & Innovation

Course Details

Subject Code
MGMT

Course Number
230

Department(s)
Management & Marketing

Course Title
Entrepreneurship & Innovation

Course Description
This course is aimed specifically at attracting students from all disciplines to explore innovation and entrepreneurship in a cross-disciplinary setting. Students will investigate what entrepreneurial opportunities can exist within such fields as creative writing, math, engineering, languages, music and business. The aim of the course is to ignite passion in discovering how an idea can become a real company, through experiential learning using a variety of methodologies. The course will include an introduction to entrepreneurship through an exploration of developing ideas, business model creation and business feasibility analysis. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT240 - Principles of Management

Course Details

Subject Code
MGMT

Course Number
240

Department(s)
Management & Marketing

Course Title
Principles of Management

Course Description
This course examines the essentials of management: planning, organizing, leading, and controlling. Within this structure, students will explore how managers deal with the turbulent environment of business and the increasing complexity brought on by globalization and technological innovation. 4 SH.Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

MGMT290 - Non-Profit Management

Course Details

Subject Code
MGMT

Course Number
290

Department(s)
Management & Marketing

Course Title
Non-Profit Management

Course Description
This is an introductory survey of the nature and function of non-profit organization, including basic legal requirements affecting non-profits, theories and practices for establishing and managing non-profit organizations, designing and assessing operational structures for non-profit organizations, and strategies for inter- organizational relationships. Pre-requisite: MGMT-240. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT333 - New Ventures & Corporate Innovation

Course Details

Subject Code	Course Number	Department(s)
MGMT	333	Management & Marketing

Course Title
New Ventures & Corporate Innovation

Course Description
This course will focus on multiple aspects of new venture start-up, growth and exit to include; the start-up process, the various business models, the legal foundations of a business, business operations, financial management, organizational growth and exit strategies. However, given that entrepreneurial activity can be seen within large, established organizations, this course will also focus on how an entrepreneurial mindset can be used to support corporate innovation. Using a blend of theory and application, students in this course will be equipped with the skills and knowledge to navigate the complexities of entrepreneurship, whether launching a start-up or driving innovation within a corporate setting. Pre-requisite: MGMT-230 or Business major. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT350 - International Business

Course Details

Subject Code	Course Number	Department(s)
MGMT	350	Management & Marketing

Course Title
International Business

Course Description
A broad exposure to the turbulent, complex and expanding nature of business in the international environment. Considers the fundamental principles and practices of multi-national enterprises with both text and case studies. Prerequisites:MGMT-240. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT351 - Seminar in European Business Operations

Course Details

Subject Code	Course Number	Department(s)
MGMT	351	Management & Marketing

Course Title
Seminar in European Business Operations

Course Description
A study of business practice and operations in the U.K. and continental Europe. Offered in London, England, for business students in the Sigmund Weis School London Program. Emphasis is pragmatic and applications-oriented. The course features field trips to manufacturing facilities, distribution centers and financial institutions in the U.K. and on the European continent. Class often features guest lecturers knowledgeable in specific fields of international business. Prerequisite: Junior standing or instructor's permission and participation in the London Program. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MGMT360 - Management & Organizational Behavior

Course Details

Subject Code	Course Number	Department(s)
MGMT	360	Management & Marketing

Course Title
Management & Organizational Behavior

Course Description
Examines the theories, practices and processes of management and organizational behavior. Emphasizes applications of theory to practice and learning from experiential activities. Topics include psychological contracts, motivation, perception & attribution, interpersonal communication, group processes, power & influence, conflict and negotiation, and leadership. Numerous exercises emphasize application of theories and processes to students' personal experiences. Prerequisites: Sophomore standing. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

MGMT361 - Human Resource Management

Course Details

Subject Code	Course Number	Department(s)
MGMT	361	Management & Marketing

Course Title
Human Resource Management

Course Description
Examines the activities and practices conducted by a human resource management department, as well as the relationships among them. Topics include job analysis and design, human resource planning, recruitment and selection, training and development, performance appraisal, and compensation. Numerous exercises are used to emphasize application of human resource management concepts and methods to real-world scenarios. Prerequisite: MGMT-240. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT362 - Employment Law

Course Details

Subject Code	Course Number	Department(s)
MGMT	362	Management & Marketing

Course Title
Employment Law

Course Description
Explores legislation regulating wages, hours, and other conditions of employment. Topics include federal laws that regulate wages and salaries, hours of work, equal employment opportunity, health and safety, and workplace justice. Students are required to apply concepts and techniques discussed in class within several assignments and/or exercises. Prerequisite: MGMT-361 or instructor's permission. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MGMT373 - Managing for Sustainability

Course Details

Subject Code	Course Number	Department(s)
MGMT	373	Management & Marketing

Course Title
Managing for Sustainability

Course Description
This course enables students to evaluate the economic, social and environmental performance for-profit and nonprofit organizations through the lens of sustainability concepts. Using a case method approach, students critically examine contemporary sustainability issues and evaluate their potential effects on the sustainability practices of domestic and international organizations. Prerequisite: MGMT-240 or MGMT-360. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT379 - Business-Government Relations

Course Details

Subject Code	Course Number	Department(s)
MGMT	379	Management & Marketing

Course Title
Business-Government Relations

Course Description
This course focuses on the relationship between business and government in both market-based and social contexts. Students will examine how government policies affect businesses and how businesses influence and interact with governments. Business-government relationships will be analyzed within the contexts of the United States, Organization for Economic Cooperation and Development (OECD), and developing countries. Prerequisites: either POLI-111 or MGMT-240. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MGMT390 - Operations Management

Course Details

Subject Code
MGMT

Course Number
390

Department(s)
Management & Marketing

Course Title
Operations Management

Course Description
Introduces areas such as product and process development, capacity planning, inventory control, product scheduling, and quality control. Emphasizes the integration of strategic long-term and analytical short-term decisions and the integration of the operations function within the firm. Uses quantitative models, spreadsheet models, and computer applications to provide a framework and support for the development of management decisions. Prerequisites: Junior standing, BSAN-233, ACCT-200, and either ECON-105 or ECON-202. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT400 - Business Policy and Strategy

Course Details

Subject Code
MGMT

Course Number
400

Department(s)
Management & Marketing

Course Title
Business Policy and Strategy

Course Description
The capstone course for business seniors that integrates much of the knowledge they gain from earlier courses. Uses a case method approach to solve problems facing top management. Emphasizes the global environment and strategic management decisions. Covers finance, management, marketing, technology, geography, leadership, and other factors in both domestic and international cases. Heavy emphasis on the development of analytical skills and both written and oral communications skills. Prerequisites: Senior standing and FINC-340, ACCT-330 and either MGMT-240 or MGMT-360. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

MGMT404 - Global Business Ethics

Course Details

Subject Code
MGMT

Course Number
404

Department(s)
Management & Marketing

Course Title
Global Business Ethics

Course Description
Examines the concepts and applications of ethical and moral behavior that affect business decision-making and result in socially responsible policies and actions. Uses actual cases and issues to demonstrate the need for social responsibility as an integral part of business strategies and implementation. Prerequisites: Junior standing and MGMT-240. 4 SH. CC: Ethics Intensive, Diversity Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

MGMT405 - Global Supply Chain Logistics

Course Details

Subject Code
MGMT

Course Number
405

Department(s)
Management & Marketing

Course Title
Global Supply Chain Logistics

Course Description
This course provides a comprehensive exploration of the management and flow of goods and services across international borders, with an emphasis on enhancing the competitiveness of firms of all sizes. It will address core areas such as international market research, agent and distributor selection, payment methods, trade regulations, logistics coordination, shipping and transportation systems, insurance, supply chain security, customs compliance, documentation, and global inventory management. Through case studies and applied projects, students will gain practical skills and strategic insights necessary for managing global operations in today's fast-evolving supply chain environment. Prerequisite: MGMT240, MGMT350. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT411 - Global Strategic Management

Course Details

Subject Code	Course Number	Department(s)
MGMT	411	Management & Marketing

Course Title
Global Strategic Management

Course Description
This course provides an in-depth examination of the strategic challenges and decision-making processes facing international, multinational, and global enterprises. It focuses on the formulation and implementation of global strategies in complex, dynamic environments where emphasis is placed on economic, technological, sociocultural, and political forces and their impact on organizational performance and competitiveness. As an advanced, integrative course, it prepares students to make informed, strategic decisions in a global context. Prerequisites: MGMT-350 and MGMT-405. 4SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT416 - Intellectual Property & Business

Course Details

Subject Code	Course Number	Department(s)
MGMT	416	Management & Marketing

Course Title
Intellectual Property & Business

Course Description
The purpose of this course is to acquaint students with the fundamentals of intellectual property (IP) law. Moreover, while students will be introduced to emerging IP law, it also will explore the interplay of luxury goods in the realm of intellectual property. Students will be introduced to the four primary fields within intellectual property: trademarks, copyrights, patents, and trade secrets. Prerequisite: ACCT-210. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT434 - Entrepreneurial Experience

Course Details

Subject Code	Course Number	Department(s)
MGMT	434	Management & Marketing

Course Title
Entrepreneurial Experience

Course Description
Student teams will conceptualize and develop a start-up organization (by trying, failing, pivoting, and repeating). Through this process they will develop an understanding the different challenges and opportunities that an entrepreneur faces and work with active entrepreneurs to provide recommendations to specific real-time challenges. Students will also study several cases that demonstrate different aspects of the entrepreneurial company and gain confidence to use entrepreneurial thinking in future endeavors. Prerequisite: MGMT-230 and MGMT-333 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT437 - Social & Sustainable Entrepreneurship

Course Details

Subject Code	Course Number	Department(s)
MGMT	437	Management & Marketing

Course Title
Social & Sustainable Entrepreneurship

Course Description
This course will focus on the exploration of entrepreneurship through an analysis of case studies within a variety of entrepreneurial contexts. It will address modern aspects of entrepreneurship such as sustainability, ethics, social innovation, gender and globalization. The context in which entrepreneurial activity is explored will include non-for-profit organizations, non-governmental organizations and for-profit ventures. The course expands on the critical role of entrepreneurs and the role that entrepreneurship plays in the local, national and global economy. Prerequisite: MGMT-230 Exploring Entrepreneurial Opportunities. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT438 - Sales Management

Course Details

Subject Code
MGMT

Course Number
438

Department(s)
Management & Marketing

Course Title
Sales Management

Course Description
This course examines the personal selling component of marketing from a management perspective. The course will emphasize the selling process and managing sales personnel. Topics will include market analysis, sales strategies, sales presentations, and creating and administrating a sales program. The course is application focused and will build on the Professional Selling class by identifying elements necessary for successful sales management, including recruiting, training, motivating, and promoting sales people. We will also consider how selling over the internet has and will continue to impact selling of products and services. Prerequisites: COMM-215. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MGMT464 - Compensation Structure Design

Course Details

Subject Code
MGMT

Course Number
464

Department(s)
Management & Marketing

Course Title
Compensation Structure Design

Course Description
Explores the theory and practice of compensation structure design based on concepts of internal and external equity. Internal equity focuses on assessing the relative worth of different jobs in an organization through job evaluation. External equity involves assigning pay levels to different jobs in an organization based on data collected from wage and salary surveys of competitors. The topic of benefits is also addressed. Students are required to apply concepts and techniques in class within a group project that entails developing a compensation structure for a hypothetical company. Prerequisite: MGMT-361 or instructor's permission. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MGMT465 - Performance Management

Course Details

Subject Code
MGMT

Course Number
465

Department(s)
Management & Marketing

Course Title
Performance Management

Course Description
Explores the theory and practice of performance appraisal and performance-based pay. Performance appraisal topics include appraisal instruments, sources of appraisal, increasing appraisal accuracy, and conducting appraisal interviews. Performance-based pay topics include traditional merit pay, as well as incentive plans, gain sharing, and profit sharing. Students are required to apply concepts and techniques discussed in class within several assignments and/or exercises. Prerequisite: MGMT-361 or permission of instructor. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MGMT466 - Negotiations

Course Details

Subject Code
MGMT

Course Number
466

Department(s)
Management & Marketing

Course Title
Negotiations

Course Description
Develops skills in negotiation, joint decision making and joint problem solving through analysis of the negotiating process, frequent negotiation exercises, case analyses and interaction with professional negotiators. Prerequisite: Junior standing or instructor's permission. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MGMT467 - Topics in Management

Course Details

Subject Code
MGMT

Course Number
467

Department(s)
Management & Marketing

Course Title
Topics in Management

Course Description
Explores topics of current importance and interest in management. Prerequisite: Junior standing. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

MGMT468 - Women in Organizations

Course Details

Subject Code
MGMT

Course Number
468

Department(s)
Management & Marketing

Course Title
Women in Organizations

Course Description
Examines the role of sex and gender in organizations. Special attention is given to topics relevant to women working in organizations, such as sex and gender differences in: career/job preferences, advancement and pay, teamwork, leadership, sexuality in the workplace and work-family balance. Other topics addressed include hostile vs. benevolent sexism as well as practices designed to increase diversity within organizations. Class is conducted in a seminar format. Prerequisite: Junior standing or permission of instructor. Same as WGST-380. 2 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
2

MGMT501 - Independent Study

Course Details

Subject Code
MGMT

Course Number
501

Department(s)
Management & Marketing

Course Title
Independent Study

Course Description
Individualized academic work for qualified students under faculty direction. Typically focused on topics not covered in regularly offered courses. Prerequisites: Senior standing and permission of faculty member and department head. 2-4 SH.

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

MGMT502 - Senior Research

Course Details

Subject Code
MGMT

Course Number
502

Department(s)
Management & Marketing

Course Title
Senior Research

Course Description
An original research project under faculty direction. Prerequisites: Senior standing and permission of faculty member and department head. 2-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

MGMT503 - Business Internship

Course Details

Subject Code
MGMT

Course Number
503

Department(s)
Management & Marketing

Course Title
Business Internship

Course Description
A learning experience that cultivates a student's academic and professional development through valuable work experience and the integration of classroom-acquired knowledge by working at a firm, corporation, government agency, or nonprofit organization. Prerequisites: Approval by the SWSB Internship Coordinator and acceptance by the organization. Graded on an S/U basis. 2 or 4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

MGMT504 - Professional Sales Internship

Course Details

Subject Code
MGMT

Course Number
504

Department(s)
Management & Marketing

Course Title
Professional Sales Internship

Course Description
A learning experience that cultivates a student's academic and professional development through valuable work experience and the integration of classroom-acquired knowledge by working at a firm, corporation, government agency, or nonprofit organization. Prerequisites: Approval by the SWSB Internship Coordinator and acceptance by the organization. Graded on an S/U basis. 0, 2, or 4 SH.

Course Types
Standard (STAND), Internship (INTRN)

Semester Hours

Semester Hours:
0

Credit Hours Max:
4

MKTG280 - Marketing

Course Details

Subject Code
MKTG

Course Number
280

Department(s)
Management & Marketing

Course Title
Marketing

Course Description
The study of business activities planned and implemented to facilitate the exchange or transfer of products and services so that both parties benefit. Examines markets and segments, as well as product, price, promotion, and channel variable decisions. Considers marketing in profit and nonprofit sectors and in the international setting. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MKTG317 - International Marketing

Course Details

Subject Code
MKTG

Course Number
317

Department(s)
Management & Marketing

Course Title
International Marketing

Course Description
In this course students analyze world markets, including the perspectives of consumers throughout the world. Students will learn about the marketing management techniques required to meet the demands of world markets in a dynamic and ever-changing setting. Prerequisite: MGMT-280. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MKTG320 - Digital Marketing

Course Details

Subject Code
MKTG

Course Number
320

Department(s)
Management & Marketing

Course Title
Digital Marketing

Course Description
This course emphasizes the importance of digital marketing and the ways in which it has revolutionized the interactions and relationships between firms and consumers. Students will gain both theoretical and industry knowledge, and explore the powerful tools that companies use in digital marketing to reach their consumers. This course emphasizes topics such as online advertising, search engine optimization, conversion strategies, social media, and online privacy. Students will also learn to quantitatively and qualitatively evaluate digital tools for business purposes. Prerequisite: MKTG-280. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MKTG321 - Social Media Marketing

Course Details

Subject Code
MKTG

Course Number
321

Department(s)
Management & Marketing

Course Title
Social Media Marketing

Course Description
Social media marketing (SMM) allows businesses to gain a competitive advantage by creating and distributing valuable, relevant, and consistent content in social media. This course is designed to provide students with knowledge of using SMM to increase brand awareness, identify key audiences, generate leads, and build meaningful relationships with customers. Corequisite: MKTG-320 Digital Marketing. 7-week course. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MKTG381 - Marketing Research

Course Details

Subject Code
MKTG

Course Number
381

Department(s)
Management & Marketing

Course Title
Marketing Research

Course Description
The course material parallels the marketing research process and follows the definition of a research problem, the design of an appropriate methodology, and the collection of data. Data compilation and analysis and report preparation are covered in the data analysis portion of the course. The objective will be to provide students with the analytical skills and practical experience that will allow them to perform market research. Prerequisite: introductory statistics course (MATH-108, MATH-180, MGMT-202, or PSYC-123) and MKTG-280. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MKTG382 - Consumer Behavior

Course Details

Subject Code
MKTG

Course Number
382

Department(s)
Management & Marketing

Course Title
Consumer Behavior

Course Description
A survey of the contributions of the behavioral sciences to the understanding of buyer behavior. Emphasizes how marketers use theories regarding consumer purchasing process to make decisions at both the strategic and tactical levels. Prerequisite: MKTG-280. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MKTG485 - Marketing Strategy and Management

Course Details

Subject Code
MKTG

Course Number
485

Department(s)
Management & Marketing

Course Title
Marketing Strategy and Management

Course Description
A case method capstone course for the marketing emphasis applying marketing functions to "real world" situations. Integrates knowledge from previous courses in marketing, management, accounting and finance as applied to market planning. Prerequisites: MGMT-382 and MGMT-381.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MKTG486 - Topics in Marketing

Course Details

Subject Code
MKTG

Course Number
486

Department(s)
Management & Marketing

Course Title
Topics in Marketing

Course Description
In-depth focus on a marketing topic of current interest. Possible topics include marketing for service and non-profit organizations, new product development, and direct marketing. Prerequisite: MKTG-280. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

MKTG488 - Marketing Analytics

Course Details

Subject Code
MKTG

Course Number
488

Department(s)
Management & Marketing

Course Title
Marketing Analytics

Course Description
This marketing course is designed to support high level decision making through the review, analysis and integration of knowledge gained while completing classes toward a degree in marketing. Students will complete an academic project that demonstrates their mastery of marketing principles using data-driven decision making. Prerequisite: MKTG-320, MKTG-381, and either MKTG-382 or LBMM-216. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

Mathematics & Computer Science Department

Faculty

Alathea Jensen, Ph.D., Associate Professor of Mathematics & Computer Science, department head

Edisanter Lo, Ph.D., Professor of Mathematics & Computer Science

Alex Wilce, Ph.D., Professor of Mathematics & Computer Science

Jeffrey A. Graham, Ph.D., Associate Professor of Mathematics & Computer Science

Steve Scheirer, Ph.D., Assistant Professor of Mathematics & Computer Science

Anusha Veluswamy, Ph.D., Assistant Professor of Mathematics & Computer Science

Tanin Sultana, Phd.D., Assistant Professor of Mathematics & Computer Science

Programs

Computer Science (BA)

About the Program

Program Title
Computer Science (BA)

Degree
Bachelor of Arts

Program Code
COMPSCI.BA

Program Description
Computer Science

Learning Goals
- Students acquire knowledge of fundamental computer science and related mathematical concepts, together with programming skills, sufficient to support further postgraduate study or a career in computer science or related disciplines
- Students develop the ability to design, implement, communicate and evaluate computing-based solutions as documented code to meet a given set of computing requirements in a professional style

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding academic performance. To graduate with departmental honors, a mathematics major or computer science major must do the following:
• Have a minimum GPA of 3.50 in the department and 3.00 overall,
• Request admission to the program at the end of the junior year,
• Consult with a faculty advisor to design an honors-quality project and begin research as a first-semester senior taking MATH-503 Independent Research or CSCI-503 Independent Research,
• Complete the project during the second semester in MATH-500 Senior Colloquium or CSCI-500 Senior Colloquium,

Interdisciplinary Options

Students majoring in computer science can easily complete a minor in another department. Areas such as accounting, business, biology, chemistry, mathematics, physics or a modern language are natural choices. Highly motivated students whose interests cross traditional departmental lines may also wish to consider the self-designed major option, developing an integrated program of study from courses in several departments. For further information, see the majors and minors section.

Double Major In Computer Science and Mathematics

Because the computer science major already requires several mathematics courses, many computer science majors add a mathematics major or minor relatively easily. However, it is department policy that cross-listed elective courses (such as MATH-351/CSCI-351 Numerical Computing, MATH-352/CSCI-352 Numerical Analysis or MATH-382/CSCI-382 Theory of Computation) count in only one major or minor at a time.

Self-designed major

Highly motivated students whose interests cross traditional departmental lines may also consider a self-designed major. This option provides an integrated program of study from courses in several departments and is described in the majors and minors section.

Program Requirements

Requirements
To earn the Bachelor of Arts degree in computer science, students successfully complete, with grades of C- or better, the equivalent of the following 54 semester hours:

4	CSCI-181	Principles of Computer Science
4	CSCI-182	Object Oriented Programming and Design
4	CSCI-281	Data Structures
4	CSCI-282	Computer Organization
4	CSCI-381	Algorithms
4	MATH-111	Calculus I
4	MATH-180	Statistical Methods
4	MATH-201	Linear Algebra
4	MATH-221	Discrete Structures
18	300-level or above computer science courses	

Capstone
The capstone requirement may be satisfied with one of the following courses: CSCI-472 Software Engineering: Practicum, CSCI-483 Compiler Theory or CSCI-500 Senior Colloquium.

Students need not fulfill the capstone requirement in their major, but they usually do. A capstone course taken as a junior does fulfill the requirement, but not as a sophomore.

Computer Science (BS)

About the Program

Program Title
Computer Science (BS)

Degree
Bachelor of Science

Program Code
COMPSCI.BS

Program Description
Computer Science

Learning Goals
- Students acquire knowledge of fundamental computer science and related mathematical concepts, together with programming skills, sufficient to support further postgraduate study or a career in computer science or related disciplines
- Students develop the ability to design, implement, communicate and evaluate computing-based solutions as documented code to meet a given set of computing requirements in a professional style

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding academic performance. To graduate with departmental honors, a mathematics major or computer science major must do the following:
• Have a minimum GPA of 3.50 in the department and 3.00 overall,
• Request admission to the program at the end of the junior year,
• Consult with a faculty advisor to design an honors-quality project and begin research as a first-semester senior taking MATH-503 Independent Research or CSCI-503 Independent Research,
• Complete the project during the second semester in MATH-500 Senior Colloquium or CSCI-500 Senior Colloquium,

Interdisciplinary Options

Students majoring in computer science can easily complete a minor in another department. Areas such as accounting, business, biology, chemistry, mathematics, physics or a modern language are natural choices. Highly motivated students whose interests cross traditional departmental lines may also wish to consider the self-designed major option, developing an integrated program of study from courses in several departments. For further information, see the majors and minors section.

Double Major In Computer Science and Mathematics

Because the computer science major already requires several mathematics courses, many computer science majors add a mathematics major or minor relatively easily. However, it is department policy that cross-listed elective courses (such as MATH-351/CSCI-351 Numerical Computing, MATH-352/CSCI-352 Numerical Analysis or MATH-382/CSCI-382 Theory of Computation) count in only one major or minor at a time.

Self-designed major

Highly motivated students whose interests cross traditional departmental lines may also consider a self-designed major. This option provides an integrated program of study from courses in several departments and is described in the majors and minors section.

Program Requirements

Requirements
To earn the Bachelor of Science degree in computer science, a student must complete, with grades of C- or better, the equivalent of the following 64 semester hours:

4	CSCI-181	Principles of Computer Science
4	CSCI-182	Object Oriented Programming and Design
4	CSCI-281	Data Structures
4	CSCI-282	Computer Organization
4	CSCI-381	Algorithms
4	MATH-111	Calculus I
4	MATH-112	Calculus II
4	MATH-180	Statistical Methods
4	MATH-201	Linear Algebra
4	MATH-221	Discrete Structures
4	Select one of the following two options:	
PHYS-101	Introduction to Digital and Analog Electronics	
PHYS-204	Introductory Physics I	
20	300-level or above computer science courses	

Capstone
The capstone requirement may be satisfied with one of the following courses: CSCI-472 Software Engineering: Practicum, CSCI-483 Compiler Theory or CSCI-500 Senior Colloquium.

Students need not fulfill the capstone requirement in their major, but they usually do. A capstone course taken as a junior does fulfill the requirement, but not as a sophomore.

Comp. Science 3-2 Pre-Engineering (BS)

About the Program

Program Title
Comp. Science 3-2 Pre-Engineering (BS)

Degree
Bachelor of Science

Program Code
CSCI.3-2.BS

Program Description

Learning Goals

-

Engineering Joint Program with Columbia University, Washington University in St. Louis and Case Western University

Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna distributional requirements, courses for a major program in chemistry, computer science, mathematics or physics, and pre-engineering foundation courses prescribed by the specific joint university.

For Columbia University, students must earn a pre-engineering GPA of 3.30 or higher, as calculated by Columbia University. Additionally, the minimum grade for each pre-engineering science or math course must be a B (3.0) or better on the first attempt.

For Washington University in St. Louis, students must earn an overall and pre-engineering GPA of 3.25 or higher, as calculated by Washington University.

For Case Western University, students must earn an overall and pre-engineering GPA of 3.0 or higher, as calculated by Case Western University.

Approved candidates enroll at the partner university for two years, earning both a bachelor's degree in chemistry, computer science, mathematics or physics from Susquehanna and an engineering degree from the respective partner university. For more information, contact Professor of Physics Samya Zain.

Data Science (BS)

About the Program

Program Title
Data Science (BS)

Degree
Bachelor of Science

Program Code
DATASCIENCE.BS

Program Description
The Data Science major is a program that combines Mathematics, Statistics, and Computer Science with an area of application to give students the tools necessary to pursue a career in the field. The major is intended for students who desire a strong technical background in the areas that form the discipline of Data Science.

Learning Goals

- Students will develop:
- Proficiency in relevant data analysis techniques such as data cleaning and statistical modeling. (Covered in DSCI-301, CSCI-401, MATH-180)
- Proficiency in programming languages and tools such as Python, R, and data manipulation libraries. (CSCI-181, CSCI-182, CSCI-281, CSCI-401, DSCI-301,)
- Proficiency in effective communication both orally and in writing to various stakeholders including non-technical audiences. (CSCI-500 capstone)Students will be evaluated in the courses covering the various skills and in a capstone course

Double-counting Restriction
Students double majoring in Computer Science and Data Science cannot count DSCI-301 and CSCI-401 as Computer Science electives.

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding academic performance. To graduate with departmental honors, a mathematics major or computer science major must do the following:
• Have a minimum GPA of 3.50 in the department and 3.00 overall,
• Request admission to the program at the end of the junior year,
• Consult with a faculty advisor to design an honors-quality project and begin research as a first-semester senior taking MATH-503 Independent Research or CSCI-503 Independent Research,
• Complete the project during the second semester in MATH-500 Senior Colloquium or CSCI-500 Senior Colloquium

Program Requirements

Requirements
To earn the Bachelor of Science degree in Data Science, a student must complete, with grades of C- or better, the equivalent of the following:

4	CSCI-181 Principles of Computer Science
4	CSCI-182 Object-oriented Programming and Design
4	CSCI-281 Data Structures
4	CSCI-381 Algorithms
4	CSCI-401 Machine Learning
4	DSCI-210 Foundations of Data Science

4 DSCI-301 Data Mining

4 MATH-111 Calculus I

4 MATH-112 Calculus II

4 MATH-180 Statistical Methods

4 MATH-201 Linear Algebra

4 MATH-211 Multivariate Calculus

4 MATH-221 Discrete Structures

4 CSCI-500 Senior Colloquium

In addition to the courses above, a student must complete a sequence of three courses outside the department chosen from the list below or another sequence approved by the Mathematics & Computer Science department:

Anthropology: ANTH-162; either ANTH-235 or SOCI-245; either ANTH-341 or ANTH-310

Biology: either BIOL-101 or BIOL-102; BIOL-220; one 300-level or higher BIOL course including lab

Chemistry: CHEM-103; CHEM-242; CHEM-341

Earth and Environmental Sciences: EENV-101; one of EENV-105, EENV-220, or EENV-240; EENV-360,

Ecology: ECOL-100; BIOL-220; one 300-level or higher ECOL course including lab

History: One 100-level HIST course; HIST-300, HIST-401

Physics: PHYS-204; PHYS-206; either PHYS-307 or PHYS-401

Political Science: One of POLI-111, POLI-121, POLI-131, or POLI-212; POLI-205; POLI 305

Psychology: PSYC-101; PSYC-223; one 300-level or higher PSYC course

Sociology: SOCI-101; SOCI-235 or SOCI-245; one of SOCI-102, SOCI-255

Mathematics 3-2 Pre-Engineering (BA)

About the Program

Program Title
Mathematics 3-2 Pre-Engineering (BA)

Degree
Bachelor of Arts

Program Code
MATH.3-2.BA

Learning Goals
-

Engineering Joint Program with Columbia University, Washington University in St. Louis and Case Western University

Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna distributional requirements, courses for a major program in chemistry, computer science, mathematics or physics, and pre-engineering foundation courses prescribed by the specific joint university.

For Columbia University, students must earn a pre-engineering GPA of 3.30 or higher, as calculated by Columbia University. Additionally, the minimum grade for each pre-engineering science or math course must be a B (3.0) or better on the first attempt.

For Washington University in St. Louis, students must earn an overall and pre-engineering GPA of 3.25 or higher, as calculated by Washington University.

For Case Western University, students must earn an overall and pre-engineering GPA of 3.0 or higher, as calculated by Case Western University.

Approved candidates enroll at the partner university for two years, earning both a bachelor’s degree in chemistry, computer science, mathematics or physics from Susquehanna and an engineering degree from the respective partner university. For more information, contact Professor of Physics Samya Zain.

Mathematics (BA)

About the Program

Program Title
Mathematics (BA)

Degree
Bachelor of Arts

Program Code
MATH.BA

Program Description
Mathematics

Learning Goals
- The student shows competency in standard mathematical content including calculus, and linear algebra
- The student communicates mathematical ideas, both orally and in writing, with clarity and precision
- The student applies mathematical skills and knowledge to solve problems and analyze new situations in mathematics and related areas

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding academic performance. To graduate with departmental honors, a mathematics major or computer science major must do the following:
• Have a minimum GPA of 3.50 in the department and 3.00 overall,
• Request admission to the program at the end of the junior year,
• Consult with a faculty advisor to design an honors-quality project and begin research as a first-semester senior taking MATH-503 Independent Research or CSCI-503 Independent Research,
• Complete the project during the second semester in MATH-500 Senior Colloquium or CSCI-500 Senior Colloquium,

Interdisciplinary Options

Mathematics majors can easily complete a minor, and often a second major, in another department. Areas such as computer science, chemistry, economics, finance, philosophy, or physics are natural choices. The department also sponsors a business-related minor in actuarial science.

Double Major/Minor in Computer Science and Mathematics

Because the computer science major already requires several mathematics courses, many computer science majors add a mathematics major or minor relatively easily. However, it is department policy that cross-listed elective courses (such as MATH-351/CSCI-351 Numerical Computing, MATH-352/CSCI-352 Numerical Analysis or MATH-382/CSCI-382 Theory of Computation) count in only one major or minor at a time.

Self-designed major

Highly motivated students whose interests cross traditional departmental lines may also consider a self-designed major. This option provides an integrated program of study from courses in several departments and is described in the majors and minors section.

Kappa Mu Epsilon

Students who meet national standards for membership are eligible to join this national undergraduate mathematics honorary society.

Program Requirements

Requirements
Students complete the equivalent of 47 or 50 semester hours as described.

4 CSCI-181 Principles of Computer Science

4 MATH-112 Calculus II

4 MATH-180 Statistical Methods

4 MATH-201 Linear Algebra

4 MATH-211 Multivariate Calculus

4 MATH-221 Discrete Structures

2 MATH-231 Foundations of Analysis

4 MATH-321 Abstract Algebra

4 MATH-353 Differential Equations

4 One 300-level or above mathematics course or PHYS-405 Mathematical Physics

8 Two 400-level mathematics courses

Complete one of the following:

1 or 4 MATH-500 Senior Colloquium

4 MATH-505 Senior Colloquium: Writing Intensive

Capstone

The capstone requirement may be satisfied by either the 4 SH version of MATH-500 Senior Colloquium or MATH-505 Senior Colloquium: Writing Intensive. Students do not need to fulfill the capstone requirement in their major, but they usually do. Students who have already fulfilled the capstone requirement in another major may complete the 1 SH version of MATH-500 Senior Colloquium to fulfill the requirements of the mathematics major.

Mathematics - Secondary Education (BA)

About the Program

Program Title
Mathematics - Secondary Education (BA)

Degree
Bachelor of Arts

Program Code
MATH.ED.BA

Program Requirements

Requirements
In addition to the Education course requirements listed below, secondary education mathematics students complete all of the usual requirements for the mathematics major. They must satisfy the “one 300-level or above mathematics course” requirement by taking MATH-331 Geometry.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university’s requirements for a bachelor’s degree in that subject (see that department’s section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE’s requirement for 2 semester hours of math beyond Susquehanna’s Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Actuarial Science Minor

About the Program

Program Title
Actuarial Science Minor

Program Code
MINR.ACTS

Program Description
Students minoring in actuarial science will typically have strong interests in mathematics and business.

Double-counting Restriction
Because this is an interdisciplinary minor, at least 16 semester hours of the minor must not be credited toward the student’s major.

Program Requirements

Requirements
Students taking this minor complete with grades of C- or better the following courses:

MATH-211 Multivariate Calculus

MATH-441 Mathematical Statistics

MATH-351 Numerical Computing

MATH-352 Numerical Analysis

CSCI-401 Machine Learning

ACCT-200 Financial Accounting

FINC-340 Corporate Financial Management

Either ECON-105 Elements of Economics or both ECON-201 Principles of Macroeconomics and ECON-202 Principles of Microeconomics

Computer Science Minor

About the Program

Program Title
Computer Science Minor

Program Code
MINR.CSCI

Program Requirements

Requirements
Students who minor in computer science successfully complete 24 semester hours, with grades of C- or better, in the following courses:

4 CSCI-181 Principles of Computer Science

4 CSCI-182 Object Oriented Programming and Design

4 CSCI-281 Data Structures

12 300-level or above computer science courses

Mathematics Minor

About the Program

Program Title
Mathematics Minor

Program Code
MINR.MATH

Program Requirements

Requirements
The minor completes 24 semester hours of mathematics with grades of C- or better. Requirements include MATH-112 Calculus II, MATH-201 Linear Algebra, MATH-221 Discrete Structures, with at least four semester hours at the 300-level or above and 8 semester hours above the 108-level.

Courses

CSCI151 - Introduction to Programming

Course Details

Subject Code	Course Number	Department(s)
CSCI	151	Mathematics & Computer Science

Course Title
Introduction to Programming

Course Description
An introductory course in computer science for non-majors. The course teaches computer programming with emphasis on logical thinking, problem solving, and algorithmic development. PROCESSING or a similar programming language is used. Topics include variables, arithmetic and logical operators, graphics, user interface, built-in library calls, I/O operations, conditional statements, loops, functions, and classes. 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

CSCI181 - Principles of Computer Science

Course Details

Subject Code	Course Number	Department(s)
CSCI	181	Mathematics & Computer Science

Course Title
Principles of Computer Science

Course Description
An introductory course in computer science for majors. Also open to nonmajors. Emphasizes computer problem-solving methods and algorithmic development. Topics include programming in Python or a comparable language, techniques of good programming style, data types, file and screen input and output, control structures, subroutines, recursion, arrays, and pointers. 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

CSCI182 - Object Oriented Prog & Design

Course Details

Subject Code
CSCI

Course Number
182

Department(s)
Mathematics & Computer Science

Course Title
Object Oriented Prog & Design

Course Description
This is the second course in computer programming that builds upon functional programming developed in the prerequisite course. This class introduces object-oriented programming, stressing the importance of planning, design, and optimization of object-oriented solutions to programming problems. Topics include objects, classes, constructors, inheritance, polymorphism, and design. Prerequisite: CSCI-181 Principles of Computer Science. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CSCI200 - Multi-Agent Modeling in the Sciences

Course Details

Subject Code
CSCI

Course Number
200

Department(s)
Mathematics & Computer Science

Course Title
Multi-Agent Modeling in the Sciences

Course Description
This course will explore some of what computer science has to offer to the natural and social sciences. Many phenomena consist of interacting individuals that can be modeled as following a set of behavioral rules. Using a suitable computer language such as NetLogo, Repast or others, we will learn to model these phenomena. Some programming experience is helpful but not required. Prerequisites: Fulfillment of the Analytic Thought requirement, sophomore standing and completion of either the Social Interactions requirement or the Scientific Explanations requirement. Some programming experience would be helpful but is not required. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

CSCI281 - Data Structures

Course Details

Subject Code
CSCI

Course Number
281

Department(s)
Mathematics & Computer Science

Course Title
Data Structures

Course Description
Second course in computer programming. Stresses the interplay between algorithms, data structures and their implementations. Topics include stacks, queues, linked lists, sorting, searching, binary trees and graphs. Prerequisite: CSCI-182 Object-Oriented Programming.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CSCI282 - Computer Organization

Course Details

Subject Code
CSCI

Course Number
282

Department(s)
Mathematics & Computer Science

Course Title
Computer Organization

Course Description
Fundamentals of computer organization and machine architecture. Presents an overview of computer system organization and examines in detail the digital logic level, the register level, and the operating system program interface. Uses the assembly language of an available machine for programming assignments. Prerequisite: CSCI-281 Data Structures or instructor's permission. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CSCI351 - Numerical Computing

Course Details

Subject Code
CSCI

Course Number
351

Department(s)
Mathematics & Computer Science

Course Title
Numerical Computing

Course Description
An introduction to the computational techniques for solving mathematical problems, focusing on one-variable calculus. Topics include roots of nonlinear equations, finding maximum and minimum, interpolation, function approximation, numerical differentiation and integration. Same as MATH-351. Prerequisite: MATH-111 Calculus I; MATH-112 Calculus II is suggested. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI352 - Numerical Analysis

Course Details

Subject Code
CSCI

Course Number
352

Department(s)
Mathematics & Computer Science

Course Title
Numerical Analysis

Course Description
A study of the standard numerical techniques for solving mathematical problems, focusing on multivariable calculus and linear algebra. Topics include large sparse matrices, eigensystems, solving systems of equations, multivariable interpolation, maximum and minimum of multivariable functions, multivariable numerical integration, and numerical solutions of ordinary and partial differential equations. Same as MATH-352. Prerequisites: MATH-112 Calculus II, MATH-201 Linear Algebra and MATH- or CSCI-351 Numerical Computing. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI370 - Cryptology & Number Theory

Course Details

Subject Code
CSCI

Course Number
370

Department(s)
Mathematics & Computer Science

Course Title
Cryptology & Number Theory

Course Description
Cryptology is the study of hiding the meaning of messages. Cryptology is an interesting venue for the study of its mathematical underpinnings (number theory, matrix algebra, probability and statistics) and as an opportunity to implement techniques by means of computer programs. We will consider monoalphabetic and polyalphabetic encryptions, public key cryptography, security, and anonymity. Same as MATH-370. Prerequisite: MATH-221 Discrete Structures. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CSCI381 - Algorithms

Course Details

Subject Code
CSCI

Course Number
381

Department(s)
Mathematics & Computer Science

Course Title
Algorithms

Course Description
Introduces the design and implementation of algorithms using an object-oriented programming language such as C++ or Java. Covers correctness and efficiency of algorithms for sorting, searching, graph problems and mathematical algorithms. Prerequisites: MATH-221 Discrete Structures and CSCI-281 Data Structures. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CSCI382 - Theory of Computation

Course Details

Subject Code
CSCI

Course Number
382

Department(s)
Mathematics & Computer Science

Course Title
Theory of Computation

Course Description
An introduction to the classical and contemporary theory of computation. Topics include the theory of automata and formal languages, computability by Turing machines and recursive functions, computational complexity and quantum computers. Same as MATH-382. Prerequisites: MATH-221 Discrete Structures and CSCI-281 Data Structures. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

CSCI391 - Data Communications & Networks I

Course Details

Subject Code
CSCI

Course Number
391

Department(s)
Mathematics & Computer Science

Course Title
Data Communications & Networks I

Course Description
An overview of data communications and networks, including channel capacity, Ethernet, Internet protocols, DHCP, DNS, TCP, FTP, SMTP, HTTP, Web servers, and file sharing. Prerequisite: CSCI-181 Principles of Computer Science. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI392 - Data Communication & Networks II

Course Details

Subject Code
CSCI

Course Number
392

Department(s)
Mathematics & Computer Science

Course Title
Data Communication & Networks II

Course Description
Further topics in networks, with an emphasis on security. Includes authentication, encryption, verification, certificates, digital signatures, attacks and defenses, privacy, and anonymity. Also covers current developments in networks. Prerequisite: CSCI-391 Data Communications and Networks I. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI401 - Machine Learning

Course Details

Subject Code
CSCI

Course Number
401

Department(s)
Mathematics & Computer Science

Course Title
Machine Learning

Course Description
This course provides an introduction to the systematic study of algorithms and systems that improve their knowledge or performance with experience. A statistical approach that emphasizes concepts and the implementation of the methods is presented to make sense of large and complex data. Topics include linear regression, classification, resampling methods, shrinkage approaches, tree-based methods, support vector machines, and clustering. Prerequisites: MATH-180 Statistical Methods (or both MATH-108 Introduction to Statistics and BSAN-233 Data Driven Decision Making), MATH-201 Linear Algebra, and CSCI-181 Principles of Computer Science. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CSCI460 - Application Programming

Course Details

Subject Code
CSCI

Course Number
460

Department(s)
Mathematics & Computer Science

Course Title
Application Programming

Course Description
Programming in a common application environment, such as Android apps. Creation and management of windows, dialog boxes, mouse and keyboard input, message queues, graphics and multithreading. Prerequisite: CSCI-381 Algorithms. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

CSCI471 - Software Engineer: Methodology

Course Details

Subject Code
CSCI

Course Number
471

Department(s)
Mathematics & Computer Science

Course Title
Software Engineer: Methodology

Course Description
The entire software development cycle is explored, from requirements gathering through analysis, design, implementation, testing, and documentation procedures. This course discusses both the theory and the business-world reality of software development, with an emphasis on object-oriented methodologies. Prerequisite: CSCI-381 Algorithms or instructor's permission. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

CSCI472 - Software Engineering: Practicum

Course Details

Subject Code
CSCI

Course Number
472

Department(s)
Mathematics & Computer Science

Course Title
Software Engineering: Practicum

Course Description
This course is designed to provide an experience similar to that of working in the software engineering industry. The methodologies discussed in CSCI-471 Software Engineering: Methodology are put into practice, as students work on project teams throughout one or more software development cycles. Current projects involve designing and developing software to guide a mobile robot. Prerequisites: Junior standing and CSCI-471 Software Engineering:Methodology. 4 SH. Capstone.

Course Types
Practicum (PRACT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

CSCI481 - Programming Languages

Course Details

Subject Code
CSCI

Course Number
481

Department(s)
Mathematics & Computer Science

Course Title
Programming Languages

Course Description
Studies the principles underlying various computer languages. Uses comparisons and evaluations of multiple programming languages such as C, Python, Java, FORTRAN, HTML, Postscript, LISP, and Prolog to introduce the broad principles of language design and implementation. Prerequisite: CSCI-281 Data Structures. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI483 - Compiler Theory

Course Details

Subject Code
CSCI

Course Number
483

Department(s)
Mathematics & Computer Science

Course Title
Compiler Theory

Course Description
Studies the phases of compiler design, such as syntax specification, lexical analysis, parsing, symbol tables, error detection, code optimization and code generation. Term project is to write a complete compiler for a small subset of C. Prerequisites: CSCI-282 Computer Organization and MATH-221 Discrete Structures. 4 SH. Capstone.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
4

CSCI484 - Computer Graphics

Course Details

Subject Code
CSCI

Course Number
484

Department(s)
Mathematics & Computer Science

Course Title
Computer Graphics

Course Description
Basic interactive graphics programming in 2D and 3D using a common graphics library such as OpenGL. Introduces fundamental hardware and software concepts to implement graphics. Covers topics of drawing points, curves, surfaces, lighting, shading, animation, geometrical transformation, representation of 3-D shapes, and removal of hidden edges and surfaces as time permits. Prerequisite: CSCI-281 Data Structures and MATH-201 Linear Algebra or instructor's permission. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI485 - Artificial Intelligence

Course Details

Subject Code
CSCI

Course Number
485

Department(s)
Mathematics & Computer Science

Course Title
Artificial Intelligence

Course Description
A brief summary of the tools, techniques and applications of artificial intelligence. Introduces problem solving and knowledge representation and selects topics from techniques for constructing models, robot design, language processing, computer vision, neural networks and expert systems. Same as BSAN-485. Prerequisites: CSCI-281 Data Structures, MATH-111 Calculus I, and either MATH-108 Introduction to Statistics or MATH-180 Statistical Methods. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI486 - Introduction to Operating Systems

Course Details

Subject Code
CSCI

Course Number
486

Department(s)
Mathematics & Computer Science

Course Title
Introduction to Operating Systems

Course Description
Introduction to the principles of operating systems through detailed discussion of a popular operating system such as Linux, with special attention to the areas of user interface, process management and file systems. Prerequisite: CSCI-281 Data Structures. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI487 - Operating Systems

Course Details

Subject Code
CSCI

Course Number
487

Department(s)
Mathematics & Computer Science

Course Title
Operating Systems

Course Description
A study of general operating systems principles, processes, file systems, memory management, interprocess communication, I/O and concurrent processes. Includes a programming project in which the student writes a part of an operating system. Prerequisite: CSCI-486 Introduction to Operating Systems. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI488 - Computer Architecture

Course Details

Subject Code
CSCI

Course Number
488

Department(s)
Mathematics & Computer Science

Course Title
Computer Architecture

Course Description
A study of computer architecture, including logic circuits, CPU design, instruction sets, CISC, RISC, memory architecture, I/O, peripherals, pipelining, superscalar processors, and multiprocessors. Includes hardware and software considerations. Prerequisite: CSCI-282 Computer Organization. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

CSCI500 - Senior Colloquium

Course Details

Subject Code
CSCI

Course Number
500

Department(s)
Mathematics & Computer Science

Course Title
Senior Colloquium

Course Description
Experience in individual research and presentation of computer related topics. Prerequisites: senior standing and computer science department head's permission. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Research (RSRCH), Capstone (CAPS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

CSCI501 - Topics in Computer Science

Course Details

Subject Code
CSCI

Course Number
501

Department(s)
Mathematics & Computer Science

Course Title
Topics in Computer Science

Course Description
Subjects vary, depending on instructor and student interest. Example topics include software engineering, cryptography, parallel processing, digital video compression, object-oriented technologies, neural networks, and others as approved. Prerequisite: Instructor's permission. 2 or 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

CSCI502 - Independent Study

Course Details

Subject Code
CSCI

Course Number
502

Department(s)
Mathematics & Computer Science

Course Title
Independent Study

Course Description
Individual work for capable students under the supervision of a faculty member. Prerequisite: Instructor consent and approval of computer science department head. Regularly scheduled courses are approved for independent study only under extraordinary circumstances. 2 or 4 SH.

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

CSCI503 - Independent Research

Course Details

Subject Code
CSCI

Course Number
503

Department(s)
Mathematics & Computer Science

Course Title
Independent Research

Course Description
A research project culminating in a substantive paper on a selected topic or field in computer science or information systems by arrangement with an instructor. Prerequisite: junior or senior standing and pdepartment head's permission. 2 or 4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

CSCI599 - Internship

Course Details

Subject Code
CSCI

Course Number
599

Department(s)
Mathematics & Computer Science

Course Title
Internship

Course Description
Full-time employment in computer science or information systems at an industrial firm or a public service organization. Prerequisites: Senior standing, appropriate background courses in computer science and department internship coordinator's permission. S/U grade. 2, 4, or 8 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
2

Credit Hours Max:
8

DSCI210 - Foundations of Data Science

Course Details

Subject Code
DSCI

Course Number
210

Department(s)
Mathematics & Computer Science

Course Title
Foundations of Data Science

Course Description
This course provides a detailed approach to applied regression analysis and time series analysis including forecasting. The course will make extensive use of the R programming language and environment to perform computations and analysis of various regression and time series problems. Topics in regression analysis include simple linear regression, multiple regression, principles of model building, residual analysis, and special topics such as piecewise regression, weighted least squares, logistic regression, robust regression, nonparametric regression. Prerequisites: MATH-180 Statistical Methods, CSCI-181 Principles of Computer Science, and MATH-201 Linear Algebra. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH101 - Precalculus Mathematics

Course Details

Subject Code
MATH

Course Number
101

Department(s)
Mathematics & Computer Science

Course Title
Precalculus Mathematics

Course Description
Topics include algebra, functions, graphing, exponents, logarithms, exponential functions, trigonometry and solving word problems. Prerequisite: Based on placement results, some students may require a mathematics review course. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH105 - Introductory Topics

Course Details

Subject Code
MATH

Course Number
105

Department(s)
Mathematics & Computer Science

Course Title
Introductory Topics

Course Description
This is a two-semester-hour course meant to help education majors satisfy the Pennsylvania state requirement for six credits of college mathematics. Each course will cover a topic of the instructor's choice at an introductory level. Topics so far have included Symmetry, Counting, and Math and Music. This course does not count toward a math major or minor, and particular topics may overlap enough with other math courses to bar a student from taking both. Education majors will be given priority. Prerequisite: Usually none. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MATH108 - Introduction to Statistics

Course Details

Subject Code
MATH

Course Number
108

Department(s)
Mathematics & Computer Science

Course Title
Introduction to Statistics

Course Description
A basic introduction to data analysis, descriptive statistics, probability, Bayes' Theorem, distributions of random variables, and topics in statistical inference. (Students may earn credit for only one of the introductory statistics courses offered by the departments of Management, Psychology or Mathematics.) 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

MATH111 - Calculus I

Course Details

Subject Code
MATH

Course Number
111

Department(s)
Mathematics & Computer Science

Course Title
Calculus I

Course Description
Differentiation and integration of polynomials, exponential, logarithmic and trigonometric functions, rules of differentiation, the Mean Value Theorem, L'Hôpital's Rule, the Fundamental Theorem of Calculus, and applications. 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

MATH112 - Calculus II

Course Details

Subject Code
MATH

Course Number
112

Department(s)
Mathematics & Computer Science

Course Title
Calculus II

Course Description
Techniques of integration. Also includes improper integrals, further applications of integration, and power series. Prerequisite: MATH-111 Calculus I or equivalent. 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

MATH180 - Statistical Methods

Course Details

Subject Code
MATH

Course Number
180

Department(s)
Mathematics & Computer Science

Course Title
Statistical Methods

Course Description
This course provides a broad overview of introductory statistical methods and data analysis. Topics include descriptive statistics, probability, probability distributions, statistical inferences on population means and population variances, multiple comparisons, categorical data, data analysis using linear regression and multiple regression, design of experiments, and analysis of variance. 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

MATH200 - Applied Math Credit

Course Details

Subject Code
MATH

Course Number
200

Department(s)
Mathematics & Computer Science

Course Title
Applied Math Credit

Course Description
DO NOT USE FOR ACADEMIC PLANNING OR COURSE REGISTRATION.

Course Types
Standard (STAND), Not included in catalog (NOCAT), Do Not Show On Web (NSHOW)

Semester Hours

Semester Hours:
4

MATH201 - Linear Algebra

Course Details

Subject Code
MATH

Course Number
201

Department(s)
Mathematics & Computer Science

Course Title
Linear Algebra

Course Description
Systems of linear equations, matrices and matrix algebra, vector spaces, linear transformations, inner product spaces, determinants, eigenvalues and eigenvectors, and selected applications. Prerequisite: MATH-111 Calculus I. 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

MATH211 - Multivariate Calculus

Course Details

Subject Code
MATH

Course Number
211

Department(s)
Mathematics & Computer Science

Course Title
Multivariate Calculus

Course Description
Calculus of several variables. Partial derivatives, critical points, multiple integrals, gradient, curl, divergence, Green's, Stokes', and Divergence Theorems. Prerequisites: MATH-112 Calculus II and MATH-201 Linear Algebra. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH221 - Discrete Structures

Course Details

Subject Code
MATH

Course Number
221

Department(s)
Mathematics & Computer Science

Course Title
Discrete Structures

Course Description
An introduction to the basic logical and set-theoretic framework of mathematics and computer science. Topics include logic, proof techniques, mathematical induction, divisibility and modular arithmetic, sets, relations, mappings, graphs, and counting principles. Prerequisite: MATH-111 Calculus I. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH231 - Foundations of Analysis

Course Details

Subject Code
MATH

Course Number
231

Department(s)
Mathematics & Computer Science

Course Title
Foundations of Analysis

Course Description
A rigorous study of the theoretical basis of (single-variable) differential and integral calculus: limits, continuity, differentiation, and integration. Prerequisite: MATH-112 Calculus II and MATH-221 Discrete Structures. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MATH321 - Abstract Algebra

Course Details

Subject Code
MATH

Course Number
321

Department(s)
Mathematics & Computer Science

Course Title
Abstract Algebra

Course Description
An introduction to algebraic structures including groups, rings, and fields. Prerequisites: MATH-201 Linear Algebra and MATH-221 Discrete Structures. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

MATH331 - Geometry

Course Details

Subject Code
MATH

Course Number
331

Department(s)
Mathematics & Computer Science

Course Title
Geometry

Course Description
A concentrated study of elementary geometry. Includes Euclidean and non-Euclidean geometries and selected topics such as symmetry, Penrose tilings, fractals, knots, mapmaking, and the shape of the universe. Prerequisites: MATH-201 Linear Algebra and MATH-221 Discrete Structures. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH351 - Numerical Computing

Course Details

Subject Code
MATH

Course Number
351

Department(s)
Mathematics & Computer Science

Course Title
Numerical Computing

Course Description
An introduction to the computational techniques for solving mathematical problems, focusing on one-variable calculus. Topics include roots of nonlinear equations, finding maximum and minimum, interpolation, function approximation, numerical differentiation and integration. Same as CSCI-351. Prerequisite: MATH-111 Calculus I; MATH-112 Calculus II is suggested. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MATH352 - Numerical Analysis

Course Details

Subject Code
MATH

Course Number
352

Department(s)
Mathematics & Computer Science

Course Title
Numerical Analysis

Course Description
MATH-352 Numerical Analysis. A study of the standard numerical techniques for solving mathematical problems, focusing on multivariable calculus and linear algebra. Topics include large sparse matrices, eigensystems, solving systems of equations, multivariate interpolation, maximum and minimum of multivariable functions, multivariable numerical integration, and numerical solutions of ordinary and partial differential equations. Same as CSCI-352. Prerequisites: MATH-112 Calculus II, MATH-201 Linear Algebra and MATH-351 Numerical Computing. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MATH353 - Differential Equations

Course Details

Subject Code
MATH

Course Number
353

Department(s)
Mathematics & Computer Science

Course Title
Differential Equations

Course Description
Introduces theory, basic solution methods, qualitative analysis, and applications of ordinary differential equations. Prerequisites: sophomore standing, MATH-112 Calculus II, and MATH-201 Linear Algebra or intructor's permission. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH370 - Cryptology & Number Theory

Course Details

Subject Code
MATH

Course Number
370

Department(s)
Mathematics & Computer Science

Course Title
Cryptology & Number Theory

Course Description
Cryptology is the study of hiding the meaning of messages. Cryptology is an interesting venue for the study of its mathematical underpinnings {number theory, matrix algebra, probability and statistics} and as an opportunity to implement techniques by means of computer programs. We will consider monoalphabetic and polyalphabetic encryptions, public key cryptography, security, and anonymity. Same as CSCI-370. Prerequisite: MATH-221 Discrete Structures. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH382 - Theory of Computation

Course Details

Subject Code
MATH

Course Number
382

Department(s)
Mathematics & Computer Science

Course Title
Theory of Computation

Course Description
An introduction to the classical and contemporary theory of computation. Topics include the theory of automata and formal languages, computability by Turing machines and recursive functions, computational complexity and quantum computers. Same as CSCI-382. Prerequisites: MATH-221 Discrete Structures and CSCI-281 Data Structures. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

MATH411 - Real Analysis

Course Details

Subject Code
MATH

Course Number
411

Department(s)
Mathematics & Computer Science

Course Title
Real Analysis

Course Description
Limits and continuity in the general context of metric spaces. Topics include basic point-set topology, completeness, uniform continuity, sequences and series of functions. Additional topics as time permits. Prerequisites: MATH-112 Calculus II and MATH-231 Foundations of Analysis. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

MATH415 - Complex Analysis

Course Details

Subject Code
MATH

Course Number
415

Department(s)
Mathematics & Computer Science

Course Title
Complex Analysis

Course Description
Calculus using complex numbers. Includes analytic functions and the Cauchy-Riemann equations, contour integrals, Cauchy's Theorem, Cauchy's Integral Formula, power and Laurent series, poles, residues, and applications. Prerequisites: MATH-211 Multivariate Calculus, and MATH-231 Foundations of Analysis. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH441 - Mathematical Statistics

Course Details

Subject Code
MATH

Course Number
441

Department(s)
Mathematics & Computer Science

Course Title
Mathematical Statistics

Course Description
A more detailed study of statistics. Topics include probability, multivariate distributions, Bayes' Theorem, statistical inference, estimation,decision theory, hypothesis testing, linear models and experimental design. Prerequisites: MATH-211 Multivariate Calculus and either MATH-108 Introduction to Statistics or MATH-180 Statistical Methods. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MATH501 - Topics in Mathematics

Course Details

Subject Code
MATH

Course Number
501

Department(s)
Mathematics & Computer Science

Course Title
Topics in Mathematics

Course Description
Subject depends on students' and instructor's interests. Possibilities include: number theory, set theoretic foundations of mathematics, topology, graph theory, differential geometry and applied mathematics. Whether the course counts as a 400-level course for majors will be announced along with the course description. Prerequisite: Instructor's permission. 2 or 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

MATH500 - Senior Colloquium

Course Details

Subject Code
MATH

Course Number
500

Department(s)
Mathematics & Computer Science

Course Title
Senior Colloquium

Course Description
Experience in individual research and presentation of topics in mathematics. The one-semester-hour version culminates in a presentation to an audience of faculty and students. Prerequisite: Senior major or department permission. 1 or 4 SH. 4 SH version satisfies the capstone requirement.

Course Types
Research (RSRCH), Capstone (CAPS)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

MATH502 - Independent Study

Course Details

Subject Code
MATH

Course Number
502

Department(s)
Mathematics & Computer Science

Course Title
Independent Study

Course Description
Individual work for capable students under faculty supervision. Scheduled courses are approved for independent study only under extraordinary circumstances. Whether the course counts as a 400-level course for majors will be decided on an individual basis. Prerequisite: Department approval and instructor's consent. 2 or 4 SH.

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

MATH503 - Independent Research

Course Details

Subject Code
MATH

Course Number
503

Department(s)
Mathematics & Computer Science

Course Title
Independent Research

Course Description
A research project leading to a substantive paper on a selected topic in mathematics. By arrangement with a department instructor. Prerequisite: Junior or senior standing and department permission. 2 or 4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

MATH505 - Senior Colloquium Writing Intensive

Course Details

Subject Code
MATH

Course Number
505

Department(s)
Mathematics & Computer Science

Course Title
Senior Colloquium Writing Intensive

Course Description
Experience in individual research and presentation of topics in mathematics. Culminates in a paper and a presentation to an audience of faculty and students. Prerequisites: Mathematics Major and Senior Standing; or department permission. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

MATH599 - Mathematics Internship

Course Details

Subject Code
MATH

Course Number
599

Department(s)
Mathematics & Computer Science

Course Title
Mathematics Internship

Course Description
Full-time mathematics-related employment at an industrial firm or a public service organization. Prerequisite: senior standing, appropriate mathematics background courses, and departmental internship coordinator's permission. S/U grade. 2, 4, or 8 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
2

Credit Hours Max:
8

Museum Studies Department

Faculty Coordinator

John J. Bodinger de Uriarte, Ph.D., Professor of Anthropology

Programs

Museum Studies Minor

About the Program

Program Title
Museum Studies Minor

Program Code
MINR.MSUM

Program Description
This 20-credit minor in museum studies is designed for students interested in creating a foundation for future graduate work in museum studies or a career in museums and other public exhibitionary spaces, in conjunction with a major or minor in an academic field most often associated with museums, such as anthropology, art, art history, education, history, English, publishing and editing, business administration, or one of the natural sciences. The minor draws on its component strengths to offer students experience in both the museological (the study of museums as a site for critical study/reflection on the act(s) of representation) and the museographical (the practical study of museum practices, such as the doing of exhibitions in all of their aspects) facets of museum studies. Students pursuing the museum studies minor will complete an internship in a museum. This component includes opportunities with the Lore Degenstein Gallery on campus, local museums and historical houses, or other museums, exhibitionary spaces, archives, and state and national parks with public exhibition or commemorative spaces. Internship possibilities will be reviewed and approved by the program's director, in consultation with the Museum Studies Advisory Board, chosen from faculty in the art history, history, and anthropology programs.

Double-counting Restriction
Only 4 semester hours of this minor may be double-counted toward the student’s major

Program Requirements

Requirements
Students must complete 20 semester hours of coursework, which includes ANTH-237 Museums and Anthropology, MSUM-400 Museum Studies Internship, MSUM-500 Directed Research and Exhibition Project, and 8 semester hours chosen from the following: ARTH-101 Introduction to World Art I: Prehistory to 1400, ARTH-102 Introduction to World Art II: 15th Century to 20th Century, ARTH-310 Modernism and the Avante-Garde, ARTH-303 Socially Engaged Art Practice, ARTH-412 Contemporary Art, HIST-300 History Methods, a pre-approved course from a GO Long program, and other courses approved by the director.

Courses

MSUM400 - Museum Studies Internship

Course Details

Subject Code	Course Number	Department(s)
MSUM	400	Museum Studies

Course Title
Museum Studies Internship

Course Description
The internship for museum studies is designed for students who wish to develop and apply skills related to the museum and public exhibition-related professions (for example, a museum-related, non-profit agency or government office, a museum publication or periodical, a position related to museum or library conservation, exhibition sites in state or national parks, or other similar institutions). Students will gain experience in real work situations and will work under the supervision of a professional in his or her chosen field. Overseeing faculty and their departments offer help in locating and applying for appropriate internships, but students are also encouraged to propose and develop their own positions, subject to approval by the director of museum studies. 2-4 SH.

Course Types
Internship (INTRN), Museum Studies (MSUM)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

MSUM500 - Final Research & Exhibition Project

Course Details

Subject Code	Course Number	Department(s)
MSUM	500	Museum Studies

Course Title
Final Research & Exhibition Project

Course Description
MSUM-500 structures the completion of an exhibitionary project at an approved campus venue. The format of the course depends on individual consultation with the instructor on all aspects of the exhibition: planning, design, problem-solving and creativity, accessibility (both physical and intellectual), interpretation, and evaluation. Completion of the project includes written documents, a set of concept drawings, other support materials necessary to communicate project ideas effectively, and the installation of the exhibit.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
4

Music Department

Faculty

Eric L. Hinton, Ph.D., Professor of Music and Director of Bands, department head

Gail B. Levinsky, D.Mus., Professor of Music

Marcos Krieger, D.M.A., Professor of Music

Patrick A. Long, D.M.A., Professor of Music

Naomi Niskala, D.M.A., Professor of Music

David S. Steinau, D.M.A., Professor of Music

Jaime Namminga, D.M.A., Associate Professor of Music

Adrienne M. Rodriguez, Ph.D., Associate Professor of Music and Coordinator of Music Education

Jennifer Sacher Wiley, D.M.A., Associate Professor of Music

Amy Voorhees, D.M.A., Associate Professor of Music and Director of Choral Activities

Zachary M. Levi, D.M.A., Assistant Professor of Music

Amanda Russo Stante, D.M., Assistant Professor of Music

Programs

Church Music Minor

About the Program

Program Title
Church Music Minor

Program Code
MINR.CHMU

Program Description
The Minor in Church Music aims to capacitate students with a keen interest in using their musical talents in church ministry, either as clergy or as music directors. Through this minor, students will garner basic musical skills as well as knowledge of liturgical musical practices. The culmination of the program is a service-based project, where students apply their church music skills in a supervised internship either as an organist or director, assistant director for a church musical group (a church choir, hand-bell ensemble, or praise team) or in a liturgical leadership position (deacon of worship, worship committee member).

Students will choose and organize a service-based experience as an independent study at the end of the program. As an alternative, students may choose to use that Independent Study to prepare and take the Choir-Master Certificate exam or the Service Playing Certificate exam offered by the American Guild of Organists.

Double-counting Restriction
For students who are music majors, the maximum number of double-counting credits is up to 6SH from the required courses and up to 4 SH from the elective selections. For students who are Religious Studies majors, the maximum number of double-counting credits is up to 4 SH from the required courses and up to 4 SH from the elective selections.

Program Requirements

Requirements

12 Required Courses:

4 RELI-/MUSC-215 Music in Christian Rituals

4 RELI-/MUSC-353 The Practice of Church Music

2 MUSC-161 Theory I

2 MUSC-082 University Choir **or** MUSC-083 University Chorale (NOTE: each course is 1 SH, taken for a total of 2 SH)

12 Additional hours

At least 4 SH must be either Organ or Voice lessons: however, no more than 6 SH of lessons may count.

1 MUSC-003 Organ Lesson

2 MUSC-004 Organ Lesson

1 MUSC-009 Voice Lesson

1 MUSC-010 Voice Lesson

2 MUSC-163 Ear Training 1

2 MUSC-369 Beginning Conducting

4 RELI-103 The New Testament

4 RELI-201 The Hebrew Bible

4 RELI-313 Modern Christianities

Collaborative Piano Minor

About the Program

Program Title
Collaborative Piano Minor

Program Code
MINR.CLPN

Program Description
The Minor in Collaborative Piano aims to captivate students with a keen interest in using their pianistic abilities as a collaborator, whether that is working with singers, instrumentalists, small chamber ensembles, or larger ensembles such as choir, band, or orchestra. Through this minor, students will garner basic musical skills as well as knowledge of the many topics and skills specific to collaborative piano. Before declaring a minor in collaborative piano, a student must audition and obtain approval from the coordinator of collaborative piano. Those eligible to audition include music majors with a keyboard instrument as their primary instrument and students with piano performance grants. Note that approval of this minor does not guarantee a place in the required music classes.

Double-counting Restriction
Students minoring in music technology may only apply 8 semester hours toward a music major.

Program Requirements

Requirements
The Minor in Collaborative Piano requires students to complete with a grade of C- or better 13 semester hours of the following coursework:

1 MUSIC-033 Sight Reading and Technique

1 MUSC-049 Piano Class IV

1 MUSC-051 Support Skills for Collaborative Pianists

1 MUSC-084 Diction I

1 MUSC-451 Vocal and Instrumental Literature for Collaborative Pianists

4 MUSC-019 Collab Piano Lesson (minimum of four semesters)

3 MUSC-066 Collaborative Piano (minimum of three semesters)

1 MUSC-076 Small Ensemble (chamber music with concert)

0 MUSC-203 Collaborative Piano Performances (minimum of two semesters, performances totaling 24-32 minutes of music)

Music Performance Minor

About the Program

Program Title
Music Performance Minor

Program Code
MINR.MUPR

Program Requirements

Requirements
Before declaring a minor in music performance, a student must gain admittance to a performance studio. This is accomplished by contacting the department head to schedule an audition. In addition, the student must pass the musicianship and written theory diagnostic tests before gaining admission to the minor. Note that approval of this minor does not guarantee a place in required music classes. Students must complete with a grade of C- or better 18-20 semester hours of coursework (depending on whether the student takes MUSC-152 or MUSC-101): either MUSC-152 Survey of World Music or MUSC-101 Introduction to Music; MUSC-161 Theory I; MUSC-163 Ear Training I; four semesters of half-hour applied lessons; four semesters of a performance ensemble; and four semester hours chosen from MUSC-102 A Study of Jazz, MUSC-220 Privilege in Classical Music, MUSC-225 Miranda's Hamilton, and MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras, and MUSC-260/FILM-260 Early Film Music.

Music Theory/Literature Minor

About the Program

Program Title
Music Theory/Literature Minor

Program Code
MINR.MUSC

Program Requirements

Requirements
Before declaring a minor in music theory/literature, a student must pass the musicianship and written theory diagnostic tests, which can be arranged by contacting the department head. Note that approval of this minor does not guarantee a place in required music classes. Students must complete with a grade of C- or better 20 semester hours of coursework: either MUSC-152 Survey of World Music or MUSC-101 Introduction to Music; MUSC-161 Theory I; MUSC-162 Theory II; MUSC-163 Ear Training I; and 10 or 12 semester hours of music electives from 200-level courses or higher chosen with the guidance of a member of the Department of Music. Elective credit in applied music and performing groups is limited to two semester hours of applied study and two semester hours of performing groups.

Music Technology Minor

About the Program

Program Title
Music Technology Minor

Program Code
MINR.MUTC

Double-counting Restriction
Students minoring in music technology may only apply 8 semester hours toward a music major.

Program Requirements

Requirements
Before declaring a minor in music technology, a student must obtain approval of the music technology advisor. Note that approval of this minor does not guarantee a place in the required music classes. Students must complete with a grade of C- or better 20 semester hours of coursework: MUSC-355 Audio Engineering Fundamentals; MUSC-356 Music Production in the Recording Studio; MUSC-367 Computer Music Composition; MUSC-368 Computer Music Performance; and four semester hours in an internship or music electives.

Music Composition (BM)

About the Program

Program Title
Music Composition (BM)

Degree
Bachelor of Music

Program Code
MUCM.BM

Program Description
Bachelor of Music in Composition. Music students who desire a specialized emphasis in composing original works may choose this degree option. Accepted majors must possess skill in a standard performance area and also demonstrate potential as composers through a portfolio of notated works. Students explore a wide variety of musical styles with an emphasis on understanding compositional techniques that may be less familiar to them, such as those of 20th-century art music. Students who complete this program typically pursue graduate study leading toward professional activities as a composer, arranger or teacher.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Double-counting Restriction
Students pursuing a major in the music department may double-count a maximum of 8 semester hours toward another major or minor.

Music Opportunities for Non-Majors

The department provides a variety of music opportunities for all students, regardless of their majors and career goals. Nonmajors may take upper-level music courses with permission of the instructor. The department also welcomes nonmajors in performing groups and private study upon a successful audition or permission from the instructor.

Program Requirements

Requirements
Candidates complete the university Central Curriculum requirements plus the following courses with a minimum grade average of C. Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

20 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

2 MUSC-361 Counterpoint

2 MUSC-370 Orchestration

5-6 Skills

2 MUSC-369 Beginning Conducting

1 MUSC-034 Piano Class I (instrumental/vocal concentrates)

1 MUSC-035 Piano Class II (instrumental/vocal concentrates)

1 MUSC-037 Piano Class III

2 MUSC-066 Collaborative Piano (keyboard concentrates; third semester for keyboard concentrates who are exempt from MUSC-037)

36 Applied Music

10 Composition lesson (may be a combination of one- and two-credit lessons)

10 Applied lesson in one studio area (minimum of six semesters)

2 MUSC-500 Full Composition Recital (capstone)

0 Forum (eight semesters)

6 Large Ensemble (six semesters)

8 Music Elective (other than applied study and ensembles and 4 SH chosen from MUSC-355, MUSC- 356, MUSC-367 or MUSC-368)

Music Composition - Keyboard (BM)

About the Program

Program Title
Music Composition - Keyboard (BM)

Degree
Bachelor of Music

Program Code
MUCM.KB.BM

Program Description
Bachelor of Music in Composition. Music students who desire a specialized emphasis in composing original works may choose this degree option. Accepted majors must possess skill in a standard performance area and also demonstrate potential as composers through a portfolio of notated works. Students explore a wide variety of musical styles with an emphasis on understanding compositional techniques that may be less familiar to them, such as those of 20th-century art music. Students who complete this program typically pursue graduate study leading toward professional activities as a composer, arranger or teacher.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Music Opportunities for Non-Music Majors

The department provides a variety of music opportunities for all students, regardless of their majors and career goals. Nonmajors may take upper-level music courses with permission of the instructor. The department also welcomes nonmajors in performing groups and private study upon a successful audition or permission from the instructor.

Program Requirements

Requirements
Candidates complete the university Central Curriculum requirements plus the following courses with a minimum grade average of C. Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

20 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

2 MUSC-361 Counterpoint

2 MUSC-370 Orchestration

5-6 Skills

2 MUSC-369 Beginning Conducting

1 MUSC-034 Piano Class I (instrumental/vocal concentrates)

1 MUSC-035 Piano Class II (instrumental/vocal concentrates)

1 MUSC-037 Piano Class III

2 MUSC-066 Collaborative Piano (keyboard concentrates; third semester for keyboard concentrates who are exempt from MUSC-037)

36 Applied Music

10 Composition lesson (may be a combination of one- and two-credit lessons)

10 Applied lesson in one studio area (minimum of six semesters)

2 MUSC-500 Full Composition Recital (capstone)

0 Forum (eight semesters)

6 Large Ensemble (six semesters)

8 Music Elective (other than applied study and ensembles and 4 SH chosen from MUSC-355, MUSC- 356, MUSC-367 or MUSC-368)

Music Education - Instrumental (BM)

About the Program

Program Title
Music Education - Instrumental (BM)

Degree
Bachelor of Music

Program Code
MUED.IN.BM

Program Description
Susquehanna University believes that educators need to demonstrate professional knowledge and skills in the following four domains of teaching: (1) preparation and planning, (2) instruction and assessment, (3) creating a classroom environment of respect and rapport, and (4) professional responsibility. Collaborative programs between the university and area schools afford a variety of opportunities to develop and demonstrate professional knowledge and teaching skills. Successful completion of the Bachelor of Music in music education degree requires a minimum cumulative GPA of 3.00. Piano and organ concentrates must choose to follow the vocal emphasis or instrumental emphasis requirements. The major lesson is in piano or organ, with the major ensemble corresponding to the emphasis selected.

Application to the Teacher Education Program

Students seeking admission to Susquehanna University's teacher education program must meet requirements of both the teacher education program and the Pennsylvania Department of Education and formally apply to the university's Department of Education. Application forms are available in the university's Department of Education office. Acceptance into the program is determined by the teacher education program. The Department of Education reserves the right to determine eligibility on a case-by-case basis. Students may apply for admission to the teacher education program as early as the spring semester of their sophomore year. Students must apply and be admitted no later than the first semester of their junior year.

Requirements for admission to the teacher education program include the following:

- Completion of at least 48 semester hours of coursework, including:
- Three semester hours of English composition (FYSE-100 or equivalent);
- Three semester hours of English/American literature;
- Six semester hours of college-level mathematics;
- Successful completion of MUED-200 Historical and Philosophical Foundations of Music Education;
- A cumulative GPA of 3.00;
- Completion of one 40-hour externship (see below), with completed forms returned to the Department of Education;
- Current Act 24, Act 34, Act 114, Act 126, and Act 151 clearances, and negative Tuberculosis (TB) results;
- Two letters of reference from university faculty; and
- Submission of a completed Department of Education application form.

Externship

An externship consists of 40 hours in a school for observing and aiding in classrooms and other areas of the school, conducting staff interviews, etc. Applicants must complete an externship prior to admission to the education program. Externship information and forms can be obtained from the students' academic advisor.

Students who have not been formally admitted into the teacher education program may not take more than 12 semester hours of education courses (including music education courses) without written permission from the coordinator of music education. Transfer students who wish to enter the program are evaluated on an individual basis by the coordinator of music education in consultation with the music education committee and the head of the department.

Professional Conduct

The Department of Music faculty, in consultation with faculty of the Department of Education, reserves the right to judge students' suitability for professional teaching practice. Students are evaluated by faculty in collaboration with cooperating teachers and building administrators to ensure they meet state certification requirements and maintain the integrity of the university's education programs. Practicum students (those in the schools observing and/or aiding a teacher) and student teachers must follow the policies of the university's education department and the host school district. Students not meeting expectations for professional behavior as specified by the Pennsylvania Code of Professional Practice and Conduct for Educators may be removed from a school site.

Program Requirements

Requirements
Each course below must be completed with a minimum grade of C-.

12	**Music Literature**
2	MUSC-152 Survey of World Music
4	MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras
4	MUSC-250 The Music of the Classic and Romantic Eras
2	MUSC-350 20th-Century Music
14	**Music Theory**
2	MUSC-161 Theory I: Diatonic Harmony
2	MUSC-162 Theory II: Chromatic Harmony
2	MUSC-163 Ear Training I
2	MUSC-164 Ear Training II
2	MUSC-261 Theory III: Advanced Harmony
2	MUSC-262 Theory IV: Form and Analysis
2	MUSC-263 Ear Training III
40	**Education**
4	EDUC-250 Educational Psychology
4	EDUC-350 English Language Learners: Theory and Instruction
2	MUED-200 Historical and Philosophical Foundations of Public-School Education and Music Education
4	MUED-339 General Music Education Methods and Practicum
4	MUED-345 Instrumental Music Education Methods and Practicum
4	MUED-351 Choral Music Education Methods and Practicum
4	MUED-355 Music for Exceptional Children and Practicum
0*	MUED-400:01 Student Teaching
4*	MUED-400:02 Classroom Performance
4*	MUED-400:03 Classroom Management
4*	MUED-400:04 Preparation and Planning
2*	MUED-405 Student Teaching Seminar

(*indicates capstone)

4 Conducting

2 MUSC-369 Beginning Conducting

2 MUSC-371 Instrumental Conducting (instrumental emphasis)

2 MUSC-372 Choral Conducting (vocal emphasis)

31-32 Applied Music and Other Courses

Vocal emphasis 31 SH; Instrumental emphasis 32 SH; Keyboard-Vocal Emphasis 32, Keyboard-Instrumental Emphasis 34

14 Major Lesson (seven semesters)

1 MUSC-034 Piano Class I (not required of keyboard concentrates)

1 MUSC-035 Piano Class II (not required of keyboard concentrates)

1 MUSC-037 Piano Class III

1 MUSC-038 Piano Technique (for piano concentrates only)

1 MUSC-082 University Choir OR MUSC-083 University Chorale (instrumental emphasis)

1 MUED-039 Classroom Instruments

1 MUED-040 Brass Class I

1 MUED-041 Woodwind Class I

1 MUED-042 String Class I

1 MUED-043 Percussion Class

1 MUED-046 Brass Class II (instrumental emphasis)

1 MUED-047 Woodwind Class II (instrumental emphasis)

1 MUED-048 String Class II (instrumental emphasis)

1 MUSC-049 Piano Class IV (vocal emphasis)

2-3 MUSC-066 Collaborative Piano (keyboard concentrates only) (third semester for keyboard concentrates who are exempt from MUSC-037)

1 MUSC-077 Training Ensemble

1 MUSC-084 Diction I (vocal emphasis)

7 Large Ensemble (seven semesters)

0 MUSC-503 Half Recital

0 MUSC-555 Forum (seven semesters)

Music Education - Instr Emph for Keyboard Conc. (BM)

About the Program

Program Title
Music Education - Instr Emph for Keyboard Conc. (BM)

Degree
Bachelor of Music

Program Code
MUED.INKB.BM

Program Description
Susquehanna University believes that educators need to demonstrate professional knowledge and skills in the following four domains of teaching: (1) preparation and planning, (2) instruction and assessment, (3) creating a classroom environment of respect and rapport, and (4) professional responsibility. Collaborative programs between the university and area schools afford a variety of opportunities to develop and demonstrate professional knowledge and teaching skills. Successful completion of the Bachelor of Music in music education degree requires a minimum cumulative GPA of 3.00. Piano and organ concentrates must choose to follow the vocal emphasis or instrumental emphasis requirements. The major lesson is in piano or organ, with the major ensemble corresponding to the emphasis selected.

Application to the Teacher Education Program

Students seeking admission to Susquehanna University's teacher education program must meet requirements of both the teacher education program and the Pennsylvania Department of Education and formally apply to the university's Department of Education. Application forms are available in the university's Department of Education office. Acceptance into the program is determined by the teacher education program. The Department of Education reserves the right to determine eligibility on a case-by-case basis. Students may apply for admission to the teacher education program as early as the spring semester of their sophomore year. Students must apply and be admitted no later than the first semester of their junior year.

Requirements for admission to the teacher education program include the following:

- Completion of at least 48 semester hours of coursework, including:
- Three semester hours of English composition (FYSE-100 or equivalent);
- Three semester hours of English/American literature;
- Six semester hours of college-level mathematics;
- Successful completion of MUED-200 Historical and Philosophical Foundations of Music Education;
- A cumulative GPA of 3.00;
- Completion of one 40-hour externship (see below), with completed forms returned to the Department of Education;
- Current Act 24, Act 34, Act 114, Act 126, and Act 151 clearances, and negative Tuberculosis (TB) results;
- Two letters of reference from university faculty; and
- Submission of a completed Department of Education application form.

Externship

An externship consists of 40 hours in a school for observing and aiding in classrooms and other areas of the school, conducting staff interviews, etc. Applicants must complete an externship prior to admission to the education program. Externship information and forms can be obtained from the students' academic advisor.

Students who have not been formally admitted into the teacher education program may not take more than 12 semester hours of education courses (including music education courses) without written permission from the coordinator of music education. Transfer students who wish to enter the program are evaluated on an individual basis by the coordinator of music education in consultation with the music education committee and the head of the department.

Professional Conduct

The Department of Music faculty, in consultation with faculty of the Department of Education, reserves the right to judge students' suitability for professional teaching practice. Students are evaluated by faculty in collaboration with cooperating teachers and building administrators to ensure they meet state certification requirements and maintain the integrity of the university's education programs. Practicum students (those in the schools observing and/or aiding a teacher) and student teachers must follow the policies of the university's education department and the host school district. Students not meeting expectations for professional behavior as specified by the Pennsylvania Code of Professional Practice and Conduct for Educators may be removed from a school site.

Program Requirements

Requirements

Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

14 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

40 Education

4 EDUC-250 Educational Psychology

4 EDUC-350 English Language Learners: Theory and Instruction

2 MUED-200 Historical and Philosophical Foundations of Public-School Education and Music Education

4 MUED-339 General Music Education Methods and Practicum

4 MUED-345 Instrumental Music Education Methods and Practicum

4 MUED-351 Choral Music Education Methods and Practicum

4 MUED-355 Music for Exceptional Children and Practicum

0* MUED-400:01 Student Teaching

4* MUED-400:02 Classroom Performance

4* MUED-400:03 Classroom Management

4* MUED-400:04 Preparation and Planning

2* MUED-405 Student Teaching Seminar

(*indicates capstone)

4 Conducting

2 MUSC-369 Beginning Conducting

2 MUSC-371 Instrumental Conducting (instrumental emphasis)

2 MUSC-372 Choral Conducting (vocal emphasis)

31-32 Applied Music and Other Courses

Vocal emphasis 31 SH; Instrumental emphasis 32 SH; Keyboard-Vocal Emphasis 32, Keyboard-Instrumental Emphasis 34

14 Major Lesson (seven semesters)

1 MUSC-034 Piano Class I (not required of keyboard concentrates)

1 MUSC-035 Piano Class II (not required of keyboard concentrates)

1 MUSC-037 Piano Class III

1 MUSC-038 Piano Technique (for piano concentrates only)

1 MUSC-082 University Choir OR MUSC-083 University Chorale (instrumental emphasis)

1 MUED-039 Classroom Instruments

1 MUED-040 Brass Class I

1 MUED-041 Woodwind Class I

1 MUED-042 String Class I

1 MUED-043 Percussion Class

1 MUED-046 Brass Class II (instrumental emphasis)

1 MUED-047 Woodwind Class II (instrumental emphasis)

1 MUED-048 String Class II (instrumental emphasis)

1 MUSC-049 Piano Class IV (vocal emphasis)

2-3 MUSC-066 Collaborative Piano (keyboard concentrates only) (third semester for keyboard concentrates who are exempt from MUSC-037)

1 MUSC-077 Training Ensemble

1 MUSC-084 Diction I (vocal emphasis)

7 Large Ensemble (seven semesters)

0 MUSC-503 Half Recital

0 MUSC-555 Forum (seven semesters)

Music Education - Vocal (BM)

About the Program

Program Title
Music Education - Vocal (BM)

Degree
Bachelor of Music

Program Code
MUED.VO.BM

Program Description
Susquehanna University believes that educators need to demonstrate professional knowledge and skills in the following four domains of teaching: (1) preparation and planning, (2) instruction and assessment, (3) creating a classroom environment of respect and rapport, and (4) professional responsibility. Collaborative programs between the university and area schools afford a variety of opportunities to develop and demonstrate professional knowledge and teaching skills. Successful completion of the Bachelor of Music in music education degree requires a minimum cumulative GPA of 3.00. Piano and organ concentrates must choose to follow the vocal emphasis or instrumental emphasis requirements. The major lesson is in piano or organ, with the major ensemble corresponding to the emphasis selected.

Application to the Teacher Education Program

Students seeking admission to Susquehanna University's teacher education program must meet requirements of both the teacher education program and the Pennsylvania Department of Education and formally apply to the university's Department of Education. Application forms are available in the university's Department of Education office. Acceptance into the program is determined by the teacher education program. The Department of Education reserves the right to determine eligibility on a case-by-case basis. Students may apply for admission to the teacher education program as early as the spring semester of their sophomore year. Students must apply and be admitted no later than the first semester of their junior year.

Requirements for admission to the teacher education program include the following:

- Completion of at least 48 semester hours of coursework, including:
- Three semester hours of English composition (FYSE-100 or equivalent);
- Three semester hours of English/American literature;
- Six semester hours of college-level mathematics;
- Successful completion of MUED-200 Historical and Philosophical Foundations of Music Education;
- A cumulative GPA of 3.00;
- Completion of one 40-hour externship (see below), with completed forms returned to the Department of Education;
- Current Act 24, Act 34, Act 114, Act 126, and Act 151 clearances, and negative Tuberculosis (TB) results;
- Two letters of reference from university faculty; and
- Submission of a completed Department of Education application form.

Externship

An externship consists of 40 hours in a school for observing and aiding in classrooms and other areas of the school, conducting staff interviews, etc. Applicants must complete an externship prior to admission to the education program. Externship information and forms can be obtained from the students' academic advisor.

Students who have not been formally admitted into the teacher education program may not take more than 12 semester hours of education courses (including music education courses) without written permission from the coordinator of music education. Transfer students who wish to enter the program are evaluated on an individual basis by the coordinator of music education in consultation with the music education committee and the head of the department.

Professional Conduct

The Department of Music faculty, in consultation with faculty of the Department of Education, reserves the right to judge students' suitability for professional teaching practice. Students are evaluated by faculty in collaboration with cooperating teachers and building administrators to ensure they meet state certification requirements and maintain the integrity of the university's education programs. Practicum students (those in the schools observing and/or aiding a teacher) and student teachers must follow the policies of the university's education department and the host school district. Students not meeting expectations for professional behavior as specified by the Pennsylvania Code of Professional Practice and Conduct for Educators may be removed from a school site.

Program Requirements

Requirements
Each course below must be completed with a minimum grade of C-.

12	**Music Literature**
2	MUSC-152 Survey of World Music
4	MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras
4	MUSC-250 The Music of the Classic and Romantic Eras
2	MUSC-350 20th-Century Music
14	**Music Theory**
2	MUSC-161 Theory I: Diatonic Harmony
2	MUSC-162 Theory II: Chromatic Harmony
2	MUSC-163 Ear Training I
2	MUSC-164 Ear Training II
2	MUSC-261 Theory III: Advanced Harmony
2	MUSC-262 Theory IV: Form and Analysis
2	MUSC-263 Ear Training III
40	**Education**
4	EDUC-250 Educational Psychology
4	EDUC-350 English Language Learners: Theory and Instruction
2	MUED-200 Historical and Philosophical Foundations of Public-School Education and Music Education
4	MUED-339 General Music Education Methods and Practicum
4	MUED-345 Instrumental Music Education Methods and Practicum
4	MUED-351 Choral Music Education Methods and Practicum
4	MUED-355 Music for Exceptional Children and Practicum
0*	MUED-400:01 Student Teaching
4*	MUED-400:02 Classroom Performance
4*	MUED-400:03 Classroom Management
4*	MUED-400:04 Preparation and Planning
2*	MUED-405 Student Teaching Seminar

(*indicates capstone)

4 Conducting

2 MUSC-369 Beginning Conducting

2 MUSC-371 Instrumental Conducting (instrumental emphasis)

2 MUSC-372 Choral Conducting (vocal emphasis)

31-32 Applied Music and Other Courses

Vocal emphasis 31 SH; Instrumental emphasis 32 SH; Keyboard-Vocal Emphasis 32, Keyboard-Instrumental Emphasis 34

14 Major Lesson (seven semesters)

1 MUSC-034 Piano Class I (not required of keyboard concentrates)

1 MUSC-035 Piano Class II (not required of keyboard concentrates)

1 MUSC-037 Piano Class III

1 MUSC-038 Piano Technique (for piano concentrates only)

1 MUSC-082 University Choir OR MUSC-083 University Chorale (instrumental emphasis)

1 MUED-039 Classroom Instruments

1 MUED-040 Brass Class I

1 MUED-041 Woodwind Class I

1 MUED-042 String Class I

1 MUED-043 Percussion Class

1 MUED-046 Brass Class II (instrumental emphasis)

1 MUED-047 Woodwind Class II (instrumental emphasis)

1 MUED-048 String Class II (instrumental emphasis)

1 MUSC-049 Piano Class IV (vocal emphasis)

2-3 MUSC-066 Collaborative Piano (keyboard concentrates only) (third semester for keyboard concentrates who are exempt from MUSC-037)

1 MUSC-077 Training Ensemble

1 MUSC-084 Diction I (vocal emphasis)

7 Large Ensemble (seven semesters)

0 MUSC-503 Half Recital

0 MUSC-555 Forum (seven semesters)

Music Education - Vocal Emph for Keyboard Conc. (BM)

About the Program

Program Title
Music Education - Vocal Emph for Keyboard Conc. (BM)

Degree
Bachelor of Music

Program Code
MUED.VOKB.BM

Program Description
Susquehanna University believes that educators need to demonstrate professional knowledge and skills in the following four domains of teaching: (1) preparation and planning, (2) instruction and assessment, (3) creating a classroom environment of respect and rapport, and (4) professional responsibility. Collaborative programs between the university and area schools afford a variety of opportunities to develop and demonstrate professional knowledge and teaching skills. Successful completion of the Bachelor of Music in music education degree requires a minimum cumulative GPA of 3.00. Piano and organ concentrates must choose to follow the vocal emphasis or instrumental emphasis requirements. The major lesson is in piano or organ, with the major ensemble corresponding to the emphasis selected.

Application to the Teacher Education Program

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- Three semester hours of English/American literature;
- Six semester hours of college-level mathematics;
- Successful completion of MUED-200 Historical and Philosophical Foundations of Music Education;
- A cumulative GPA of 3.00;
- Completion of one 40-hour externship (see below), with completed forms returned to the Department of Education;
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Program Requirements

Requirements

Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

14 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

40 Education

4 EDUC-250 Educational Psychology

4 EDUC-350 English Language Learners: Theory and Instruction

2 MUED-200 Historical and Philosophical Foundations of Public-School Education and Music Education

4 MUED-339 General Music Education Methods and Practicum

4 MUED-345 Instrumental Music Education Methods and Practicum

4 MUED-351 Choral Music Education Methods and Practicum

4 MUED-355 Music for Exceptional Children and Practicum

0* MUED-400:01 Student Teaching

4* MUED-400:02 Classroom Performance

4* MUED-400:03 Classroom Management

4* MUED-400:04 Preparation and Planning

2* MUED-405 Student Teaching Seminar

(*indicates capstone)

4 Conducting

2 MUSC-369 Beginning Conducting

2 MUSC-371 Instrumental Conducting (instrumental emphasis)

2 MUSC-372 Choral Conducting (vocal emphasis)

31-32 Applied Music and Other Courses

Vocal emphasis 31 SH; Instrumental emphasis 32 SH; Keyboard-Vocal Emphasis 32, Keyboard-Instrumental Emphasis 34

14 Major Lesson (seven semesters)

1 MUSC-034 Piano Class I (not required of keyboard concentrates)

1 MUSC-035 Piano Class II (not required of keyboard concentrates)

1 MUSC-037 Piano Class III

1 MUSC-038 Piano Technique (for piano concentrates only)

1 MUSC-082 University Choir OR MUSC-083 University Chorale (instrumental emphasis)

1 MUED-039 Classroom Instruments

1 MUED-040 Brass Class I

1 MUED-041 Woodwind Class I

1 MUED-042 String Class I

1 MUED-043 Percussion Class

1 MUED-046 Brass Class II (instrumental emphasis)

1 MUED-047 Woodwind Class II (instrumental emphasis)

1 MUED-048 String Class II (instrumental emphasis)

1 MUSC-049 Piano Class IV (vocal emphasis)

2-3 MUSC-066 Collaborative Piano (keyboard concentrates only) (third semester for keyboard concentrates who are exempt from MUSC-037)

1 MUSC-077 Training Ensemble

1 MUSC-084 Diction I (vocal emphasis)

7 Large Ensemble (seven semesters)

0 MUSC-503 Half Recital

0 MUSC-555 Forum (seven semesters)

Music Production (BM)

About the Program

Program Title
Music Production (BM)

Degree
Bachelor of Music

Program Code
MUPD.BM

Program Description
Music students who desire a specialized emphasis in the production of commercial recorded music may choose this degree option. Accepted majors must possess skills in a standard performance area and also demonstrate potential as music composers and/or producers through a portfolio of notated and/or recorded works. Students will take part in a comprehensive program focusing on both technical and creative skills, giving students hands-on experience producing and composing music in state-of-the-art facilities using industry-standard studio production tools and techniques.

Students will also gain a solid foundation in fundamental musicianship including theory, ear training, keyboard, and performance skills on their primary instrument. In addition, students will have opportunities to explore creative synthesis, sampling, songwriting, and scoring for film and media. These skills and experiences will be given important context through courses covering the business elements of the modern music industry and entrepreneurial skills that aim to prepare students for a variety of careers and professional activities in the commercial music production industry.

Students who complete this program may pursue careers such as a studio engineer and producer, recording artist, or a composer for film and media. Candidates complete the university Central Curriculum requirements, along with the following program requirements.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Music Opportunities for Non-Music Majors

The department provides a variety of music opportunities for all students, regardless of their majors and career goals. Nonmajors may take upper-level music courses with permission of the instructor. The department also welcomes nonmajors in performing groups and private study upon a successful audition or permission from the instructor.

Program Requirements

Requirements

10	**Music Literature**
4	MUSC-130 Popular Music & Society
2	MUSC-152 Survey of World Music
4	MUSC-250 Music Classic & Romantic Eras
8	**Music Theory**
2	MUSC-161 Theory I
2	MUSC-162 Theory II
2	MUSC-163 Ear Training I
2	MUSC-164 Ear Training II
2	**Skills**
1	MUSC-034 Piano Class I
1	MUSC-035 Piano Class II
16	**Applied Music**
6	Major Instrument Lessons (6 semesters)
4	Composition Lessons (4 semesters)
6	Large Ensemble (6 semesters)
0	MUSC-555 Forum (6 semesters)
35	**Music Production**
2	MUSC-175 Introduction to Music Technology
2	MUSC 176 Introduction to the Recording Studio
4	MUSC-276 Music Production Practicum (4 semesters at 1 SH)
4	MUSC-355 Audio Engineering Fundamentals
4	MUSC-356 Music Production in the Recording Studio
4	MUSC-367 Computer Music Composition
4	MUSC-368 Computer Music Performance
2	MUSC-500 Music Production Capstone Project
1	MUSC-504 Internship
8	Choose 8 SH of MUSC 270 Topics in Music at 4 SH each including:

Scoring for Film & Media

Songwriting

Electronic Music Performance

Additional topics with departmental approval

4	**Music Business**
2	MUSC-222 Survey of the Music Industry
2	MUSC-322 Entrepreneurship for the Professional Musician
4	**Science of Music & Audio**

Choose 1:

4	PHYS-101 Introduction to Digital and Analog Electronics
4	PHYS-108 Physics of Music

Music Performance - Instrumental (BM)

About the Program

Program Title
Music Performance - Instrumental (BM)

Degree
Bachelor of Music

Program Code
MUPR.IN.BM

Program Description
Music students who desire a specialized emphasis in performance may choose this degree option. Accepted majors possess superior skill in the given performance area and demonstrate that skill at forums and recitals. Students who complete this program typically continue study at the graduate level and/or teach in a private studio.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Double-counting Restriction
Students pursuing a major in the music department may double-count a maximum of 8 semester hours toward another major or minor.

Music Opportunities for Non-Music Majors

The department provides a variety of music opportunities for all students, regardless of their majors and career goals. Nonmajors may take upper-level music courses with permission of the instructor. The department also welcomes nonmajors in performing groups and private study upon a successful audition or permission from the instructor.

Program Requirements

Requirements
Candidates complete the university Central Curriculum requirements plus the following courses with a minimum grade average of C (2.00 GPA). Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

16 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

18 Applied Music

16 Major Lesson (eight semesters)

Multiple Woodwinds track:

8 semesters – primary instrument

4 semesters - secondary 1

4 semesters - secondary 2

0 MUSC-503 Half Recital

Multiple Woodwinds track: 30-minute primary instrument

2 MUSC-500 Full Recital (Capstone)

Multiple Woodwinds track:

30-minute primary instrument; 30-minute secondary instruments

A minimum of 2 musical theatre production experiences.

0 MUSC-555 Forum (eight semesters)

12 Specialized Courses

2 MUSC-361 Counterpoint

2 MUSC-399 Pedagogy or Woodwind Methods I/II

2 MUSC-450 Topics in Music Literature

1 MUSC-079 Improvisation

6 Selected topics to be chosen from:

4 HONS-210 Thought and the Arts toward the Specialized Courses requirement

4 MUSC-215/RELI-215 Music in Christian Ritual

4 MUSC-220 Privilege in Classical Music

4 MUSC-225 Miranda’s Hamilton

4 MUSC-260/FILM-260 Early Film Music

2 MUSC-370 Orchestration

2 MUSC-371 Instrumental Conducting

2 MUSC-372 Choral Conducting

4 PHIL-235 Aesthetics

Furthermore, students pursuing this degree path are gearing themselves toward a freelancing career, a

Minor in Arts Admin will be greatly encouraged.

Plus, the following courses determined by student’s specialization and prescribed by the major adviser:

15 Other Courses, Instrumental Concentrates

1 MUSC-034 Piano Class I

1 MUSC-035 Piano Class II

1 MUSC-037 Piano Class III

8 Large Ensemble (eight semesters)

4 Medium/Small Ensemble

Multiple Woodwinds track must have 4 semesters of Jazz Ensemble. If the applicant is a saxophone primary it is expected student will enroll 8 semesters.

Music Performance - Keyboard (BM)

About the Program

Program Title
Music Performance - Keyboard (BM)

Degree
Bachelor of Music

Program Code
MUPR.KB.BM

Program Description
Music students who desire a specialized emphasis in performance may choose this degree option. Accepted majors possess superior skill in the given performance area and demonstrate that skill at forums and recitals. Students who complete this program typically continue study at the graduate level and/or teach in a private studio.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Music Opportunities for Non-Music Majors

The department provides a variety of music opportunities for all students, regardless of their majors and career goals. Nonmajors may take upper-level music courses with permission of the instructor. The department also welcomes nonmajors in performing groups and private study upon a successful audition or permission from the instructor.

Program Requirements

Requirements
Candidates complete the university Central Curriculum requirements plus the following courses with a minimum grade average of C (2.00 GPA). Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

16 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

18 Applied Music

16 Major Lesson (eight semesters)

Multiple Woodwinds track:

8 semesters – primary instrument

4 semesters - secondary 1

4 semesters - secondary 2

0 MUSC-503 Half Recital

Multiple Woodwinds track: 30-minute primary instrument

2 MUSC-500 Full Recital (Capstone)

Multiple Woodwinds track:

30-minute primary instrument; 30-minute secondary instruments

A minimum of 2 musical theatre production experiences.

0 MUSC-555 Forum (eight semesters)

12 Specialized Courses

2 MUSC-361 Counterpoint

2 MUSC-399 Pedagogy or Woodwind Methods I/II

2 MUSC-450 Topics in Music Literature

1 MUSC-079 Improvisation

6 Selected topics to be chosen from:

4 HONS-210 Thought and the Arts toward the Specialized Courses requirement

4 MUSC-215/RELI-215 Music in Christian Ritual

4 MUSC-220 Privilege in Classical Music

4 MUSC-225 Miranda's Hamilton

4 MUSC-260/FILM-260 Early Film Music

2 MUSC-370 Orchestration

2 MUSC-371 Instrumental Conducting

2 MUSC-372 Choral Conducting

4 PHIL-235 Aesthetics

Furthermore, students pursuing this degree path are gearing themselves toward a freelancing career, a

Minor in Arts Admin will be greatly encouraged.

Plus, the following courses determined by student's specialization and prescribed by the major adviser:

15 Other Courses, Instrumental Concentrates

1 MUSC-034 Piano Class I

1 MUSC-035 Piano Class II

1 MUSC-037 Piano Class III

8 Large Ensemble (eight semesters)

4 Medium/Small Ensemble

Multiple Woodwinds track must have 4 semesters of Jazz Ensemble. If the applicant is a saxophone primary it is expected student will enroll 8 semesters.

Music Performance - Organ (BM)

About the Program

Program Title
Music Performance - Organ (BM)

Degree
Bachelor of Music

Program Code
MUPR.OR.BM

Program Description
Music students who desire a specialized emphasis in performance may choose this degree option. Accepted majors possess superior skill in the given performance area and demonstrate that skill at forums and recitals. Students who complete this program typically continue study at the graduate level and/or teach in a private studio.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Program Requirements

Requirements
Candidates complete the university Central Curriculum requirements plus the following courses with a minimum grade average of C (2.00 GPA). Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

16 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

18 Applied Music

16 Major Lesson (eight semesters)

Multiple Woodwinds track:

8 semesters – primary instrument

4 semesters - secondary 1

4 semesters - secondary 2

0 MUSC-503 Half Recital

Multiple Woodwinds track: 30-minute primary instrument

2 MUSC-500 Full Recital (Capstone)

Multiple Woodwinds track:

30-minute primary instrument; 30-minute secondary instruments

A minimum of 2 musical theatre production experiences.

0 MUSC-555 Forum (eight semesters)

12 Specialized Courses

2 MUSC-361 Counterpoint

2 MUSC-399 Pedagogy or Woodwind Methods I/II

2 MUSC-450 Topics in Music Literature

1 MUSC-079 Improvisation

6 Selected topics to be chosen from:

4 HONS-210 Thought and the Arts toward the Specialized Courses requirement

4 MUSC-215/RELI-215 Music in Christian Ritual

4 MUSC-220 Privilege in Classical Music

4 MUSC-225 Miranda's Hamilton

4 MUSC-260/FILM-260 Early Film Music

2 MUSC-370 Orchestration

2 MUSC-371 Instrumental Conducting

2 MUSC-372 Choral Conducting

4 PHIL-235 Aesthetics

Furthermore, students pursuing this degree path are gearing themselves toward a freelancing career, a

Minor in Arts Admin will be greatly encouraged.

Plus, the following courses determined by student's specialization and prescribed by the major adviser:

15 Other Courses, Instrumental Concentrates

1 MUSC-034 Piano Class I

1 MUSC-035 Piano Class II

1 MUSC-037 Piano Class III

8 Large Ensemble (eight semesters)

4 Medium/Small Ensemble

Multiple Woodwinds track must have 4 semesters of Jazz Ensemble. If the applicant is a saxophone primary it is expected student will enroll 8 semesters.

Music Performance - Vocal (BM)

About the Program

Program Title
Music Performance - Vocal (BM)

Degree
Bachelor of Music

Program Code
MUPR.VO.BM

Program Description
Music students who desire a specialized emphasis in performance may choose this degree option. Accepted majors possess superior skill in the given performance area and demonstrate that skill at forums and recitals. Students who complete this program typically continue study at the graduate level and/or teach in a private studio.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Program Requirements

Requirements
Candidates complete the university Central Curriculum requirements plus the following courses with a minimum grade average of C (2.00 GPA). Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

16 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

18 Applied Music

16 Major Lesson (eight semesters)

Multiple Woodwinds track:

8 semesters – primary instrument

4 semesters - secondary 1

4 semesters - secondary 2

0 MUSC-503 Half Recital

Multiple Woodwinds track: 30-minute primary instrument

2 MUSC-500 Full Recital (Capstone)

Multiple Woodwinds track:

30-minute primary instrument; 30-minute secondary instruments

A minimum of 2 musical theatre production experiences.

0 MUSC-555 Forum (eight semesters)

12 Specialized Courses

2 MUSC-361 Counterpoint

2 MUSC-399 Pedagogy or Woodwind Methods I/II

2 MUSC-450 Topics in Music Literature

1 MUSC-079 Improvisation

6 Selected topics to be chosen from:

4 HONS-210 Thought and the Arts toward the Specialized Courses requirement

4 MUSC-215/RELI-215 Music in Christian Ritual

4 MUSC-220 Privilege in Classical Music

4 MUSC-225 Miranda's Hamilton

4 MUSC-260/FILM-260 Early Film Music

2 MUSC-370 Orchestration

2 MUSC-371 Instrumental Conducting

2 MUSC-372 Choral Conducting

4 PHIL-235 Aesthetics

Furthermore, students pursuing this degree path are gearing themselves toward a freelancing career, a

Minor in Arts Admin will be greatly encouraged.

Plus, the following courses determined by student's specialization and prescribed by the major adviser:

15 Other Courses, Instrumental Concentrates

1 MUSC-034 Piano Class I

1 MUSC-035 Piano Class II

1 MUSC-037 Piano Class III

8 Large Ensemble (eight semesters)

4 Medium/Small Ensemble

Multiple Woodwinds track must have 4 semesters of Jazz Ensemble. If the applicant is a saxophone primary it is expected student will enroll 8 semesters.

Music Performance -Woodwinds (BM)

About the Program

Program Title
Music Performance -Woodwinds (BM)

Degree
Bachelor of Music

Program Code
MUPR.WW.BM

Learning Goals

- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Program Requirements

Requirements
Candidates complete the university Central Curriculum requirements plus the following courses with a minimum grade average of C (2.00 GPA). Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

16 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

18 Applied Music

16 Major Lesson (eight semesters)

Multiple Woodwinds track:

8 semesters – primary instrument

4 semesters - secondary 1

4 semesters - secondary 2

0 MUSC-503 Half Recital

Multiple Woodwinds track: 30-minute primary instrument

2 MUSC-500 Full Recital (Capstone)

Multiple Woodwinds track:

30-minute primary instrument; 30-minute secondary instruments

A minimum of 2 musical theatre production experiences.

0 MUSC-555 Forum (eight semesters)

12 Specialized Courses

2 MUSC-361 Counterpoint

2 MUSC-399 Pedagogy or Woodwind Methods I/II

2 MUSC-450 Topics in Music Literature

1 MUSC-079 Improvisation

6 Selected topics to be chosen from:

4 HONS-210 Thought and the Arts toward the Specialized Courses requirement

4 MUSC-215/RELI-215 Music in Christian Ritual

4 MUSC-220 Privilege in Classical Music

4 MUSC-225 Miranda's Hamilton

4 MUSC-260/FILM-260 Early Film Music

2 MUSC-370 Orchestration

2 MUSC-371 Instrumental Conducting

2 MUSC-372 Choral Conducting

4 PHIL-235 Aesthetics

Furthermore, students pursuing this degree path are gearing themselves toward a freelancing career, a

Minor in Arts Admin will be greatly encouraged.

Plus, the following courses determined by student's specialization and prescribed by the major adviser:

15 Other Courses, Instrumental Concentrates

1 MUSC-034 Piano Class I

1 MUSC-035 Piano Class II

1 MUSC-037 Piano Class III

8 Large Ensemble (eight semesters)

4 Medium/Small Ensemble

Multiple Woodwinds track must have 4 semesters of Jazz Ensemble. If the applicant is a saxophone primary it is expected student will enroll 8 semesters.

Music - Keyboard (BA)

About the Program

Program Title
Music - Keyboard (BA)

Degree
Bachelor of Arts

Program Code
MUSC.KB.BA

Program Description
Students interested in combining a solid foundation in music with the opportunity to pursue in-depth study in another area may choose this degree.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Double-counting Restriction
Students pursuing a major in the music department may double-count a maximum of 8 semester hours toward another major or minor.

Music Opportunities for Non-Music Majors

The department provides a variety of music opportunities for all students, regardless of their majors and career goals. Nonmajors may take upper-level music courses with permission of the instructor. The department also welcomes nonmajors in performing groups and private study upon a successful audition or permission from the instructor.

Program Requirements

Requirements
The Bachelor of Arts capstone may be an independent study project in music or a department-approved recital. (MUSC-506 Independent Study for two semester hours is always used for Bachelor of Arts capstone registration). Students who are double majors may elect a capstone in the other major in place of or in addition to the music capstone.

Students complete university Central Curriculum requirements plus the following courses with a minimum GPA of 2.00. Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

8 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

14 Applied Music (instrumental and vocal concentrates)

6 Major Lesson (six semesters of half-hour lessons)

1 MUSC-034 Piano Class I

1 MUSC-035 Piano Class II

0 MUSC-555 Forum (six semesters)

6 Large Ensemble (six semesters)

16 Applied Music (keyboard concentrates)

6 Major Lesson (six semester of half-hour lessons)

0-1 MUSC-037 Piano Class III

1 MUSC-038 Piano Technique (for piano concentrates only)

2-3 MUSC-066 Collaborative Piano (third semester for keyboard concentrates who place out of MUSC- 037)

0 MUSC-555 Forum (six semesters)

4 Large Ensemble

2 Collaborative/Medium/Small Ensemble (keyboard concentrates)

7-10 Additional Semester Hours

4 Any music course other than lessons or ensembles

0-2 MUSC-506 Independent Study in Music (if capstone requirement is fulfilled in music; otherwise no independent study required)

3-4 Any two of the following:

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

1 MUSC-037 Piano Class III (not for keyboard concentrates)

4 Semester hours from course(s) with the THEA, ARTG, ARTH or ARTS prefixes or PHIL-235 Aesthetics or HONS-210 Thought and the Arts.

Music (BA)

About the Program

Program Title
Music (BA)

Degree
Bachelor of Arts

Program Code
MUSIC.BA

Program Description
Students interested in combining a solid foundation in music with the opportunity to pursue in-depth study in another area may choose this degree.

Learning Goals
- Performance—Students integrate technical skills and knowledge to be able to complete a successful performance in a particular area of concentration.
- Aural skills and analysis.
- Music history—Students can place music in historical, cultural and stylistic contexts.
- Composition and improvisation.
- Technology—Students identify and employ appropriate technology applicable to their area of specialization.
- Synthesis—Students integrate their music studies through a means appropriate to their curriculum.

Students in the music department may, with department head approval, complete a music technology minor in addition to a major in music.

Double-counting Restriction
Students pursuing a major in the music department may double-count a maximum of 8 semester hours toward another major or minor.

Music Opportunities for Non-Music Majors

The department provides a variety of music opportunities for all students, regardless of their majors and career goals. Nonmajors may take upper-level music courses with permission of the instructor. The department also welcomes nonmajors in performing groups and private study upon a successful audition or permission from the instructor.

Program Requirements

Requirements
The Bachelor of Arts capstone may be an independent study project in music or a department-approved recital. (MUSC-506 Independent Study for two semester hours is always used for Bachelor of Arts capstone registration). Students who are double majors may elect a capstone in the other major in place of or in addition to the music capstone.

Students complete university Central Curriculum requirements plus the following courses with a minimum GPA of 2.00. Each course below must be completed with a minimum grade of C-.

12 Music Literature

2 MUSC-152 Survey of World Music

4 MUSC-245 The Music of the Medieval, Renaissance and Baroque Eras

4 MUSC-250 The Music of the Classic and Romantic Eras

2 MUSC-350 20th-Century Music

8 Music Theory

2 MUSC-161 Theory I: Diatonic Harmony

2 MUSC-162 Theory II: Chromatic Harmony

2 MUSC-163 Ear Training I

2 MUSC-164 Ear Training II

14 Applied Music (instrumental and vocal concentrates)

6 Major Lesson (six semesters of half-hour lessons)

1 MUSC-034 Piano Class I

1 MUSC-035 Piano Class II

0 MUSC-555 Forum (six semesters)

6 Large Ensemble (six semesters)

16 Applied Music (keyboard concentrates)

6 Major Lesson (six semester of half-hour lessons)

0-1 MUSC-037 Piano Class III

1 MUSC-038 Piano Technique (for piano concentrates only)

2-3 MUSC-066 Collaborative Piano (third semester for keyboard concentrates who place out of MUSC- 037)

0 MUSC-555 Forum (six semesters)

4 Large Ensemble

2 Collaborative/Medium/Small Ensemble (keyboard concentrates)

7-10 Additional Semester Hours

4 Any music course other than lessons or ensembles

0-2 MUSC-506 Independent Study in Music (if capstone requirement is fulfilled in music; otherwise no independent study required)

3-4 Any two of the following:

2 MUSC-261 Theory III: Advanced Harmony

2 MUSC-262 Theory IV: Form and Analysis

2 MUSC-263 Ear Training III

2 MUSC-265 Ear Training IV

1 MUSC-037 Piano Class III (not for keyboard concentrates)

4 Semester hours from course(s) with the THEA, ARTG, ARTH or ARTS prefixes or PHIL-235 Aesthetics or HONS-210 Thought and the Arts.

Courses

INTD250 - Japan Seminar

Course Details

Subject Code
INTD

Course Number
250

Department(s)
Music

Course Title
Japan Seminar

Course Description
This course offers an insight into Japan's unique culture and society through a survey of its history from ancient to modern times, its political and social transformations, its religious history, the development of its language, literature, and art forms, and its absorption and transformation of outside cultures and ideas. This course is a prerequisite for the A Window to Japan GO short program. 2 SH.

Course Types
Not included in catalog (NOCAT), Do Not Show On Web (NSHOW)

Semester Hours

Semester Hours:
2

MUED039 - Classroom Instruments

Course Details

Subject Code
MUED

Course Number
039

Department(s)
Music

Course Title
Classroom Instruments

Course Description
Basic knowledge of playing and teaching classroom instruments to prepare students to teach general music in the public schools. Includes historical development, literature, performance techniques, and pedagogy. Prerequisites: MUED-200. Music majors only. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUED040 - Brass Class I

Course Details

Subject Code
MUED

Course Number
040

Department(s)
Music

Course Title
Brass Class I

Course Description
Basic knowledge of playing and teaching the band and orchestra instruments to prepare for instrumental teaching in the public schools. Includes historical development, literature, performance techniques and pedagogy. Music majors only. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUED041 - Woodwind Class I

Course Details

Subject Code
MUED

Course Number
041

Department(s)
Music

Course Title
Woodwind Class I

Course Description
Basic knowledge of playing and teaching the band and orchestra instruments to prepare for instrumental teaching in the public schools. Includes historical development, literature, performance techniques and pedagogy. Music majors only. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUED042 - String Class I

Course Details

Subject Code	Course Number	Department(s)
MUED	042	Music

Course Title
String Class I

Course Description
Basic knowledge of playing and teaching the band and orchestra instruments to prepare for instrumental teaching in the public schools. Includes historical development, literature, performance techniques and pedagogy. Music majors only. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUED043 - Percussion Class

Course Details

Subject Code	Course Number	Department(s)
MUED	043	Music

Course Title
Percussion Class

Course Description
Basic knowledge of playing and teaching the band and orchestra instruments to prepare for instrumental teaching in the public schools. Includes historical development, literature, performance techniques and pedagogy. Music majors only. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUED046 - Brass Class II

Course Details

Subject Code	Course Number	Department(s)
MUED	046	Music

Course Title
Brass Class II

Course Description
Basic knowledge of playing and teaching the band and orchestra instruments to prepare for instrumental teaching in the public schools. Includes historical development, literature, performance techniques, and pedagogy. Music majors only. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUED047 - Woodwind Class II

Course Details

Subject Code	Course Number	Department(s)
MUED	047	Music

Course Title
Woodwind Class II

Course Description
Basic knowledge of playing and teaching the band and orchestra instruments to prepare for instrumental teaching in the public schools. Includes historical development, literature, performance techniques, and pedagogy. Music majors only. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUED048 - String Class II

Course Details

Subject Code	Course Number	Department(s)
MUED	048	Music

Course Title
String Class II

Course Description
Basic knowledge of playing and teaching the band and orchestra instruments to prepare for instrumental teaching in the public schools. Includes historical development, literature, performance techniques, and pedagogy. Music majors only. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUED200 - Public School Ed/Music Education

Course Details

Subject Code	Course Number	Department(s)
MUED	200	Music

Course Title
Public School Ed/Music Education

Course Description
An overview of the role of education and particularly music education in American society, as well as the historical, cultural, and philosophical forces that have influenced public schooling. Incorporates topics related to current educational policy and practice and classroom observations at elementary and secondary levels of music instruction. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUED339 - General Music Educ. Methods & Practicum

Course Details

Subject Code	Course Number	Department(s)
MUED	339	Music

Course Title
General Music Educ. Methods & Practicum

Course Description
Study of the instructional methods and materials needed for teaching general music at all levels. Includes practicum. Prerequisites: Junior standing, MUED-200. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MUED345 - Instrumental Music Ed.

Course Details

Subject Code	Course Number	Department(s)
MUED	345	Music

Course Title
Instrumental Music Ed.

Course Description
Study of the instructional methods and materials needed for teaching instrumental music at all levels. Includes practicum. Prerequisites: Junior standing, MUED-200. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MUED351 - Choral Music Education

Course Details

Subject Code
MUED

Course Number
351

Department(s)
Music

Course Title
Choral Music Education

Course Description
Study of the instructional methods and materials needed for teaching choral music at all levels. Includes practicum. Prerequisites: Junior standing, MUED-200. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MUED355 - Music for Excep. Children w/ Practicum

Course Details

Subject Code
MUED

Course Number
355

Department(s)
Music

Course Title
Music for Excep. Children w/ Practicum

Course Description
Study of the instructional methods and materials, including legal, ethical and pedagogical competencies, needed for teaching music to exceptional children. Includes practicum. Prerequisites: Junior standing, MUED-200. 4 SH. CC: Ethics Intensive, Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

MUED400 - Student Teaching

Course Details

Subject Code
MUED

Course Number
400

Department(s)
Music

Course Title
Student Teaching

Course Description
Full-time, supervised teaching in public school music classrooms. Course credit represents preparation and planning, classroom performance, and classroom management. Students may not register for ensembles or lessons during the semester in which they student teach. Prerequisites: Successful completion of all first-year-, sophomore- and junior-level music education courses; music education coordinator's permission; and acceptance into the education program. 12 SH. Capstone.

Course Types
Student Teaching (TEACH), Capstone (CAPS)

Semester Hours

Semester Hours:
0

Credit Hours Max:
4

MUED405 - Student Teaching Seminar

Course Details

Subject Code
MUED

Course Number
405

Department(s)
Music

Course Title
Student Teaching Seminar

Course Description
The course is required to be taken during the student teaching semester and is part of the culminating experience in the music education degree program. From a practitioner's perspective, this course "emphasizes thorough insight into issues relevant to public school music teaching, reflection on current teaching trends, and methodology and development of skills for future teaching and professionalism." This course fulfills portions of the Pennsylvania Department of Education (PDE) requirements for professionalism. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUED500 - Independent Study

Course Details

Subject Code	Course Number	Department(s)
MUED	500	Music

Course Title
Independent Study

Course Description
Independent research in music education under the supervision of an appropriate faculty member.

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

MUSC001 - Brass Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	001	Music

Course Title
Brass Lesson

Course Description
Development of good tonal quality, technical facility, and interpretation of solo and chamber literature. 1 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC002 - Brass Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	002	Music

Course Title
Brass Lesson

Course Description
Development of good tonal quality, technical facility, and interpretation of solo and chamber literature. 2 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC003 - Organ Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	003	Music

Course Title
Organ Lesson

Course Description
Emphasizes acquisition of a sound technique. Includes standard recital literature and worship service literature chosen to meet individual needs. 1 SH.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC004 - Organ Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	004	Music

Course Title
Organ Lesson

Course Description
Emphasizes acquisition of a sound technique. Includes standard recital literature and worship service literature chosen to meet individual needs. 1 SH.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC005 - Piano Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	005	Music

Course Title
Piano Lesson

Course Description
The study of Western concert music for the piano. 1 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC006 - Piano Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	006	Music

Course Title
Piano Lesson

Course Description
The study of Western concert music for the piano. 2 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC007 - String Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	007	Music

Course Title
String Lesson

Course Description
Development of tone and technical facility and mastery of solo literature. 1 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC008 - String Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	008	Music

Course Title
String Lesson

Course Description
Development of tone and technical facility and mastery of solo literature. 2 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC009 - Voice Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	009	Music

Course Title
Voice Lesson

Course Description
Focuses on teaching the student to sing freely and musically. Develops breath control and resonance, range quality and clear diction through exercises and selected vocal literature. 1 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC010 - Voice Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	010	Music

Course Title
Voice Lesson

Course Description
Focuses on teaching the student to sing freely and musically. Develops breath control and resonance, range quality and clear diction through exercises and selected vocal literature. 2 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC011 - Woodwind Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	011	Music

Course Title
Woodwind Lesson

Course Description
Development of good tonal quality, technical facility, and interpretation of solo and chamber literature. 1 SH.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC012 - Woodwind Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	012	Music

Course Title
Woodwind Lesson

Course Description
Development of good tonal quality, technical facility, and interpretation of solo and chamber literature. 2 SH.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC013 - Percussion Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	013	Music

Course Title
Percussion Lesson

Course Description
Development of technical facility on all areas of percussion: timpani, drum set, mallets, auxiliary percussion, ethnic percussion and snare drum. Includes interpretation and musical training, emphasizing well-rounded ability. 1 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC014 - Percussion Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	014	Music

Course Title
Percussion Lesson

Course Description
Development of technical facility on all areas of percussion: timpani, drum set, mallets, auxiliary percussion, ethnic percussion and snare drum. Includes interpretation and musical training, emphasizing well-rounded ability. 2 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC015 - Harpsichord Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	015	Music

Course Title
Harpsichord Lesson

Course Description
Emphasizes acquisition of a sound technique. Includes standard literature selected to meet individual needs and continuo playing. 1 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC016 - Harpischord Lesson

Course Details

Subject Code	Course Number	Department(s)
MUSC	016	Music

Course Title
Harpischord Lesson

Course Description
Emphasizes acquisition of a sound technique. Includes standard literature selected to meet individual needs and continuo playing. 2 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC017 - Guitar Lesson

Course Details

Subject Code
MUSC

Course Number
017

Department(s)
Music

Course Title
Guitar Lesson

Course Description
Private instruction in classical and jazz guitar. Includes extensive exploration of basic musical repertoire, such as Pujol, Guiliani, Carcassi and Sor and the works of other jazz composers; scales, arpeggios,triads, and other technical matters. Investigates folk, popular and electric guitar techniques. 1 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
1

MUSC018 - Guitar Lesson

Course Details

Subject Code
MUSC

Course Number
018

Department(s)
Music

Course Title
Guitar Lesson

Course Description
Private instruction in classical and jazz guitar. Includes extensive exploration of basic musical repertoire,such as Pujol, Guiliani, Carcassi and Sor and the works of other jazz composers; scales, arpeggios,triads, and other technical matters. Investigates folk, popular and electric guitar techniques. 2 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS), Lesson (LESSN)

Semester Hours

Semester Hours:
2

MUSC019 - Collaborative Piano Lesson

Course Details

Subject Code
MUSC

Course Number
019

Department(s)
Music

Course Title
Collaborative Piano Lesson

Course Description
MUSC-019 is the study of repertoire for piano and another instrument(s). As the repertoire is vast and varied, one can expect to study from a variety of time periods and genres, including but not limited to vocal and chamber music. Repertoire assigned will be based on the student's skill level, experience, and the individual's educational goals. 1 SH.

Course Types
Standard (STAND), Applied Music (APMUS)

Semester Hours

Semester Hours:
1

MUSC023 - Composition Lesson

Course Details

Subject Code
MUSC

Course Number
023

Department(s)
Music

Course Title
Composition Lesson

Course Description
Private instruction in crafting and notating musical works. Prerequisite: permission of instructor. 1 SH.

Course Types
Lesson (LESSN), Applied Music (APMUS)

Semester Hours

Semester Hours:
1

MUSC024 - Composition Lesson

Course Details

Subject Code
MUSC

Course Number
024

Department(s)
Music

Course Title
Composition Lesson

Course Description
Private instruction in crafting and notating musical works. Prerequisite: permission of instructor. 2 SH.

Course Types
Lesson (LESSN), Applied Music (APMUS)

Semester Hours

Semester Hours:
2

MUSC033 - Sight Read & Tech Forcollab Pianistists

Course Details

Subject Code
MUSC

Course Number
033

Department(s)
Music

Course Title
Sight Read & Tech Forcollab Pianistists

Course Description
Sight Reading and Technique for Collaborative Pianists aims to develop the sight reading ability and specific piano technique needed by collaborative pianists. Among the emphasized topics covered include: quick and efficient sight reading; eye placement in multi-layered scores; score embellishment; breathing; hand-eye coordination; core and arm weight; and finger work. Prerequisite: Permission from the Director of the Minor in Collaborative Piano. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC034 - Piano Class I

Course Details

Subject Code
MUSC

Course Number
034

Department(s)
Music

Course Title
Piano Class I

Course Description
A functional approach for beginning students. Emphasis on harmonization, transportation, development of technique, sight-reading, and improvisation. Non-music majors are able to enroll in this course only if there are spaces available after all of the music majors have been accommodated. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC035 - Piano Class II

Course Details

Subject Code
MUSC

Course Number
035

Department(s)
Music

Course Title
Piano Class II

Course Description
Continued emphasis on harmonization, transposition, development of technique, sight reading, and improvisation. Non-music majors are able to enroll in this course only if there are spaces available after all of the music majors have been accommodated. Prerequisite: C- or better in MUSC-034 or appropriate placement. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC037 - Piano Class III

Course Details

Subject Code	Course Number	Department(s)
MUSC	037	Music

Course Title
Piano Class III

Course Description
A functional approach for intermediate-level and advanced students. Further emphasis on harmonization, transposition, development of technique, sight-reading and improvisation. Non-music majors are able to enroll in this course only if there are spaces available after all of the music majors have been accommodated. Prerequisite: C- or better in MUSC-035 or appropriate placement by deparment. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC038 - Piano Technique

Course Details

Subject Code	Course Number	Department(s)
MUSC	038	Music

Course Title
Piano Technique

Course Description
An in-depth look at piano technique through the analysis and discussion of physical movements that can either implement or prohibit good technique, and the analysis of the basic building blocks of piano playing. Emphasis on preventing injury, learning how to expend minimal energy in playing, and the creation of good tone. Open to piano majors; secondary pianists by instructor consent. 1 SH. Offered every other year.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC049 - Piano Class IV: Musicianship Skills

Course Details

Subject Code	Course Number	Department(s)
MUSC	049	Music

Course Title
Piano Class IV: Musicianship Skills

Course Description
Study of the fundamental keyboard skills needed to rehearse choral ensembles and/or teach singing, including the ability to play open score and provide choral and solo vocal accompaniments. Those not required to take the course may enroll only if there are spaces available. Prerequisite: C- or better in MUSC-037 or appropriate placement by department. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC051 - Support Skills for Collab Pianists

Course Details

Subject Code	Course Number	Department(s)
MUSC	051	Music

Course Title
Support Skills for Collab Pianists

Course Description
Support Skills for Collaborative Pianists aims to introduce and broadly develop a vast range of skills needed by collaborative pianists, including: "quick study" skills used to prepare scores of all types in a short amount of time; rehearsal and coaching techniques; organization and communication skills; and other specialized skills relevant to collaborative piano. Prerequisite: MUSC-033. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC066 - Collaborative Piano

Course Details

Subject Code	Course Number	Department(s)
MUSC	066	Music

Course Title
Collaborative Piano

Course Description
Designed to instruct pianists in the essential aspects of performing chamber music and accompaniments. Prerequisite: Instructor's permission. May be repeated. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC072 - Symphonic Band

Course Details

Subject Code	Course Number	Department(s)
MUSC	072	Music

Course Title
Symphonic Band

Course Description
A select instrumental performing group that rehearses and performs the finest traditional and contemporary repertoire for the medium. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC073 - Stadium Band

Course Details

Subject Code	Course Number	Department(s)
MUSC	073	Music

Course Title
Stadium Band

Course Description
An instrumental performing group that rehearses and performs during the football season only. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC074 - Orchestra

Course Details

Subject Code	Course Number	Department(s)
MUSC	074	Music

Course Title
Orchestra

Course Description
A performing ensemble specializing in standard symphonic repertoire, concerti, opera, and oratorio. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC075 - Fall Musical Orchestra

Course Details

Subject Code	Course Number	Department(s)
MUSC	075	Music

Course Title
Fall Musical Orchestra

Course Description
Accompanies the annual student musical production. Fall semester only. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC076 - Small Ensemble

Course Details

Subject Code
MUSC

Course Number
076

Department(s)
Music

Course Title
Small Ensemble

Course Description
Chamber music of various styles and periods studied and performed in smaller string, woodwind, brass and percussion ensembles, including piano and organ. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC077 - Training Ensemble

Course Details

Subject Code
MUSC

Course Number
077

Department(s)
Music

Course Title
Training Ensemble

Course Description
A practicum in which students perform on a broad range of band and orchestral instruments and in choral ensembles. 1 SH.

Course Types
Practicum (PRACT)

Semester Hours

Semester Hours:
1

MUSC078 - Jazz Ensemble

Course Details

Subject Code
MUSC

Course Number
078

Department(s)
Music

Course Title
Jazz Ensemble

Course Description
The rehearsal and performance of 20th-century and modern music reflecting jazz,rock and world music influences. Emphasizes individual student involvement through improvisation. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC079 - Jazz Improvisation

Course Details

Subject Code
MUSC

Course Number
079

Department(s)
Music

Course Title
Jazz Improvisation

Course Description
Exploration and development of improvisation through listening, analysis, and performance skills practice. Prerequisites: ability to read music; vocal or instrumental proficiency, both at a level commensurate with admission to a university ensemble. May be repeated for credit. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC082 - University Choir

Course Details

Subject Code	Course Number	Department(s)
MUSC	082	Music

Course Title
University Choir

Course Description
A major performing ensemble dedicated to high standards of choral performance. A training laboratory, the choir also explores extensive choral literature and techniques of developing choral singing for future music educators. In addition to campus and area concerts, the group tours regularly. Auditions are held each August and are open to any student. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC083 - University Chorale

Course Details

Subject Code	Course Number	Department(s)
MUSC	083	Music

Course Title
University Chorale

Course Description
A mixed-voice campus-centered ensemble, the University Chorale rehearses and performs a wide variety of sacred and secular choral literature in campus and area concerts. Auditions are held each August and are open to any student. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC084 - Diction I

Course Details

Subject Code	Course Number	Department(s)
MUSC	084	Music

Course Title
Diction I

Course Description
Introduces the international phonetic alphabet and the principles of making phonetic transcriptions of Italian, French and German texts. Basic pronunciation skills are also practiced. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC085 - Diction II

Course Details

Subject Code	Course Number	Department(s)
MUSC	085	Music

Course Title
Diction II

Course Description
An extension of the principles introduced in Diction I with particular emphasis on singing in foreign languages and in English. Prerequisite: MUSC-084 or instructor's permission. 1 SH. Offered every three years.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC086 - University Chamber Singers

Course Details

Subject Code	Course Number	Department(s)
MUSC	086	Music

Course Title
University Chamber Singers

Course Description
This ensemble provides singers with a more intimate choral setting while exploring diverse repertoire appropriate for chamber performance. Auditions are held each fall and are open to any member of the University Choir. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

MUSC089 - Opera Studio

Course Details

Subject Code	Course Number	Department(s)
MUSC	089	Music

Course Title
Opera Studio

Course Description
An ensemble emphasizing the rehearsal and performance of opera and musical theatre. 1 SH. THIS COURSE REQUIRES INSTRUCTOR PERMISSION TO ENROLL.

Course Types
Applied Music (APMUS)

Semester Hours

Semester Hours:
1

MUSC101 - Introduction to Music

Course Details

Subject Code	Course Number	Department(s)
MUSC	101	Music

Course Title
Introduction to Music

Course Description
Development of appreciation and understanding for music, its underlying elements, and aspects of style and historical setting. Not open to music majors. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

MUSC102 - A Study of Jazz

Course Details

Subject Code	Course Number	Department(s)
MUSC	102	Music

Course Title
A Study of Jazz

Course Description
Historical overview of the development and evolution of jazz styles through listening, analysis and performance. Open to all music majors and non-majors. CC: Artistic Expression, Diversity Intensive. 4 SH.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

MUSC130 - Popular Music and Society

Course Details

Subject Code	Course Number	Department(s)
MUSC	130	Music

Course Title
Popular Music and Society

Course Description
A study of American popular music from the 1950's to the present, with a particular focus on the societal trends that influenced the evolution of this music. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

MUSC141 - Fundamentals of Music I

Course Details

Subject Code	Course Number	Department(s)
MUSC	141	Music

Course Title
Fundamentals of Music I

Course Description
An introduction to the fundamentals of classical music, involving written theory, Ear training (aural skills), and keyboard skills. Upon successful completion, students will have a basic aural understanding of the language and interpretation of western tonal music (harmony, melody rhythm, timbre, expression), as well as how to read music on a grand staff and play basic patterns (melodic and harmonic) on the piano. Ability to read music is not required. 2SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC142 - Fundamentals of Music II

Course Details

Subject Code	Course Number	Department(s)
MUSC	142	Music

Course Title
Fundamentals of Music II

Course Description
This course teaches the fundamentals of classical music through concepts of written theory, aural skills, and keyboard skills. Upon successful completion, students will have an aural understanding of the language and interpretation of western tonal music (including tonality and form), as well as how to read and notate music components on a grand staff and play intermediate patterns (melodic and harmonic) on the piano. Basic music reading skills required. 2SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC152 - Survey of World Music

Course Details

Subject Code	Course Number	Department(s)
MUSC	152	Music

Course Title
Survey of World Music

Course Description
An introduction to concepts of musical style from historical and global perspectives. World music and contemporary musics will inform this overview of musical genres and practices. Special attention will be given to issues of cultural diversity that arise through the study of non-western musics. Students will explore and develop learning strategies for approaching this material and college-level work in general. Prerequisite: Must be an accepted music major or minor or have the permission of the instructor. 2 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
2

MUSC161 - Theory I: Diatonic Harmony

Course Details

Subject Code
MUSC

Course Number
161

Department(s)
Music

Course Title
Theory I: Diatonic Harmony

Course Description
A study of 18th- and 19th-century harmonic practice, including intervals, scales and diatonic triads in all positions. Analysis of standard literature. Prerequisite: Department-approved proficiency. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC162 - Theory II: Chromatic Harmony

Course Details

Subject Code
MUSC

Course Number
162

Department(s)
Music

Course Title
Theory II: Chromatic Harmony

Course Description
Continuation of Theory I: Diatonic Harmony, including diatonic seventh chords in all inversions and modulation. Analysis of standard literature. Prerequisite: C- or better in MUSC-161. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC163 - Ear Training I

Course Details

Subject Code
MUSC

Course Number
163

Department(s)
Music

Course Title
Ear Training I

Course Description
Prepared and sight-singing of simple diatonic melodies in the major and minor modes. Includes simple rhythmic and melodic dictation. Prerequisite: Department-approved proficiency. 2 SH. This course requires instructor permission to enroll.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC164 - Ear Training II

Course Details

Subject Code
MUSC

Course Number
164

Department(s)
Music

Course Title
Ear Training II

Course Description
Continuation of Ear Training I, including chromaticism and modulation. Includes two-part and four-part dictation. Prerequisite: C- or better in MUSC-163. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC175 - Introduction to Music Technology

Course Details

Subject Code	Course Number	Department(s)
MUSC	175	Music

Course Title
Introduction to Music Technology

Course Description
This course introduces students to a range of fundamental technologies used in a variety of music careers including music education, performance, composition, and production. Students will work with hardware and software including microphones and speakers for basic live sound, basic audio recording technology including digital audio workstations, MIDI programming and MIDI controllers, music notation software, and music technology in classroom instruction. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC176 - Intro to Recording Studio

Course Details

Subject Code	Course Number	Department(s)
MUSC	176	Music

Course Title
Intro to Recording Studio

Course Description
This course introduces students to the fundamental concepts and practices of the modern recording studio. Emphasis is placed on understanding studio layout and function, the basic operation of core equipment, and the basics of signal flow for digital audio recording in the studio. Students will examine basic use of microphones, preamplifiers, and foundational audio routing concepts. The course also provides an introduction to Logic Pro as a digital audio workstation, situating it within modern recording and production practices. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC203 - Collaborative Piano Performanc

Course Details

Subject Code	Course Number	Department(s)
MUSC	203	Music

Course Title
Collaborative Piano Performanc

Course Description
Public performances between piano and another instrument(s) in a forum or student recital setting. Prerequisite: Approval by the student's collaborative piano teacher. 0 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
0

MUSC215 - Music in Christian Rituals

Course Details

Subject Code	Course Number	Department(s)
MUSC	215	Music

Course Title
Music in Christian Rituals

Course Description
Examines the theological and musicological aspects of artistic contributions to Christian worship as recognized in cultural settings. Same as RELI-215. Prerequisite: Junior standing and ability to read music. 4 SH. CC: Artistic Expression, Diversity Intensive, Interdisciplinary. Offered every three years.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Artistic Expression (ARTEX), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

MUSC220 - Privilege in Classical Music

Course Details

Subject Code	Course Number	Department(s)
MUSC	220	Music

Course Title
Privilege in Classical Music

Course Description
This course explores issues of diversity and ethics surrounding race, gender, religion, and culture in the western classical music world - both historically and in the present - and how privilege, and particularly power in this discipline perpetuate these issues. Students must possess an ability to read musical notation to be successful in this course. 4 SH. CC: Artistic Expression, Diversity, Ethics Intensive.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Diversity (DVERS), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

MUSC222 - Survey of the Music Industry

Course Details

Subject Code	Course Number	Department(s)
MUSC	222	Music

Course Title
Survey of the Music Industry

Course Description
This course is a survey and general overview of on the business of commercial recorded music. Focus is placed on the theoretical foundations and practical application of the major functional areas of the music business including modern models of production, distribution, and marketing of recorded music; foundations of music law including copyright; and modern revenue flow including royalties and licensing. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC225 - Miranda's "Hamilton"

Course Details

Subject Code	Course Number	Department(s)
MUSC	225	Music

Course Title
Miranda's "Hamilton"

Course Description
A multi-faceted examination of Lin-Manuel Miranda's ground-breaking and influential musical "Hamilton", with continued reflection as to its cultural significance. 4SH. CC: Artistic Expression, Diversity Intensive.

Course Types
Artistic Expression (ARTEX), Diversity Intensive (INDIV), Standard (STAND)

Semester Hours

Semester Hours:
4

MUSC245 - Medieval/Renaissance/Baroque Eras

Course Details

Subject Code	Course Number	Department(s)
MUSC	245	Music

Course Title
Medieval/Renaissance/Baroque Eras

Course Description
Music history and literature from the beginning of Western civilization until 1750. Prerequisite: MUSC-101 or MUSC-152, and MUSC-161. 4 SH. CC: Historical Perspectives, Interdisciplinary.

Course Types
Standard (STAND), Historical Perspectives (HISTR), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

MUSC250 - The Music of Classic and Romantic Eras

Course Details

Subject Code	Course Number	Department(s)
MUSC	250	Music

Course Title
The Music of Classic and Romantic Eras

Course Description
Music history and literature from 1750 until 1900. Prerequisite: MUSC-245. 4 SH. CC: Artistic Expression, Writing Intensive.

Course Types
Standard (STAND), Artistic Expression (ARTEX), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

MUSC260 - Early Film Music

Course Details

Subject Code	Course Number	Department(s)
MUSC	260	Music

Course Title
Early Film Music

Course Description
Exploration of the art, technique, and history of music developed in the late 19th and early 20th centuries to accompany silent movies. 4SH.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

MUSC261 - Theory III: Advanced Harmony

Course Details

Subject Code	Course Number	Department(s)
MUSC	261	Music

Course Title
Theory III: Advanced Harmony

Course Description
Continuation of Theory II: study of advanced tonal and post-tonal harmony. Prerequisite: C- or better in MUSC-162. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC262 - Theory IV: Form and Analysis

Course Details

Subject Code	Course Number	Department(s)
MUSC	262	Music

Course Title
Theory IV: Form and Analysis

Course Description
The examination of musical works through analysis of harmonic, motivic and formal structures, with a special emphasis on post-tonal music. Prerequisite: C- or better in MUSC-261. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC263 - Ear Training III

Course Details

Subject Code
MUSC

Course Number
263

Department(s)
Music

Course Title
Ear Training III

Course Description
Advanced sight singing and dictation in all diatonic modes, including two-part and four-part dictation. Prerequisite: C- or better in MUSC-164. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC265 - Ear Training IV

Course Details

Subject Code
MUSC

Course Number
265

Department(s)
Music

Course Title
Ear Training IV

Course Description
Advanced sight singing and dictation including distant modulation, fragmented tonality and non-diatonic pitch collections. Prerequisite: C- or better in MUSC-263. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC270 - Topics in Music

Course Details

Subject Code
MUSC

Course Number
270

Department(s)
Music

Course Title
Topics in Music

Course Description
Examines selected topics which are not covered in the regular curriculum but which are of interest to faculty and students. 1-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

MUSC275 - Introduction to Arts Leadership

Course Details

Subject Code
MUSC

Course Number
275

Department(s)
Music

Course Title
Introduction to Arts Leadership

Course Description
This course offers a foundational understanding of the challenges and skills relevant to performing arts leadership. Topics will include the establishment and functioning of arts organizations, organizational structures, arts managers, governing board dynamics, marketing and audience development, philanthropy and fundraising, basics of hiring and personnel relative to the arts, and strategies for successful arts programming. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MUSC276 - Music Produciton Practicum

Course Details

Subject Code	Course Number	Department(s)
MUSC	276	Music

Course Title
Music Produciton Practicum

Course Description
This course offers students the opportunity to work on applied projects in music production including studio-based recording and production of music; professional maintenance and management of a studio environment; and production, recording, and streaming of live music events. This work will include assigned projects and hours producing department-sponsored events in collaboration with the Office of Events Management, as well as independent creative work that will contribute to the fulfillment of their capstone portfolio in the Music Production degree program. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC322 - Entrepreneuship for the Prof Musician

Course Details

Subject Code	Course Number	Department(s)
MUSC	322	Music

Course Title
Entrepreneuship for the Prof Musician

Course Description
This course prepares aspiring musicians and music professionals to build and sustain successful careers in today's music industry. Students will learn to package their musical skills for the marketplace, explore career paths in production, composition, performance, education, and entrepreneurship in the commercial music industry, while developing strategies for financial and business management. Key topics include job market research and career planning, branding, networking, portfolio development, and professional communication and outreach skills. Through practical projects focused on their individual post-graduation paths, students will identify revenue-generating opportunities, build a professional online presence, and design a business plan aligned with their career goals. Prerequisite: MUSC-222. 2 SH.

Semester Hours

Semester Hours:
2

MUSC350 - 20th Century Music

Course Details

Subject Code	Course Number	Department(s)
MUSC	350	Music

Course Title
20th Century Music

Course Description
Music history and literature from 1900 until the present. Prerequisite: Ability to read music. 2 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
2

MUSC353 - The Practice of Church Music

Course Details

Subject Code	Course Number	Department(s)
MUSC	353	Music

Course Title
The Practice of Church Music

Course Description
A practical course designed to introduce the student to the work of the church musician as planner, administrator, leader and resource person. Incorporates the examination of material for use with soloists, instrumentalists, handbells and choral groups of all ages and in various denominations. Same as RELI-353. Prerequisites: MUSC-161 and MUSC-163. CC: Diversity Intensive. 4 SH. Offered every three years.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

MUSC355 - Audio Engineering Fundamentals

Course Details

Subject Code	Course Number	Department(s)
MUSC	355	Music

Course Title
Audio Engineering Fundamentals

Course Description
An in-depth study of fundamentals of sound. Topics covered include wiring and electronics as well as ear training and the building blocks of the modern recording studio. 4 SH. Offered every other year.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MUSC356 - Music Production in the Recording Studio

Course Details

Subject Code	Course Number	Department(s)
MUSC	356	Music

Course Title
Music Production in the Recording Studio

Course Description
An introduction to techniques and practices employed by music producers in the recording studio. Issues of session organization, recording techniques, mixing and mastering techniques, and musical aesthetics will be explored. 4 SH. Offered every other year.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MUSC361 - Counterpoint

Course Details

Subject Code	Course Number	Department(s)
MUSC	361	Music

Course Title
Counterpoint

Course Description
The analysis and writing of two- and three-voice counterpoint in 16th-century style, with an introduction to the contrapuntal techniques of the Baroque period. Prerequisite: MUSC-261. 2 SH. Offered every other year.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC367 - Computer Music Composition

Course Details

Subject Code	Course Number	Department(s)
MUSC	367	Music

Course Title
Computer Music Composition

Course Description
A survey of the electronic music hardware and software available in the computer music studio. The techniques used by both popular and classical electronic composers will be studied. Students will create original works of music or sound art using non-realtime processes. 4 SH. Offered every other year.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

MUSC368 - Computer Music Performance

Course Details

Subject Code	Course Number	Department(s)
MUSC	368	Music

Course Title
Computer Music Performance

Course Description
A study of realtime, interactive techniques for electronic music, and, to a lesser extent, video. Students will become familiar with the MAX/MSP/JITTER object-oriented programming language, as well as the collection of midi controllers in the SU computer music studio. Student work will result in a final concert. Prerequisite: Sophomore standing. 4 SH. CC: Interdisciplinary. Offered every other year.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

MUSC369 - Beginning Conducting

Course Details

Subject Code	Course Number	Department(s)
MUSC	369	Music

Course Title
Beginning Conducting

Course Description
Designed to introduce students to the technique of conducting and to develop their ability to lead an ensemble with confidence. Prerequisites: MUSC-035, MUSC-162, and MUSC-164. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC370 - Orchestration

Course Details

Subject Code	Course Number	Department(s)
MUSC	370	Music

Course Title
Orchestration

Course Description
Technical aspects of composing or arranging music for instrumental ensembles of varying size and ability. 2 SH. Offered every other year.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC371 - Instrumental Conducting

Course Details

Subject Code	Course Number	Department(s)
MUSC	371	Music

Course Title
Instrumental Conducting

Course Description
Study of advanced gestural technique as applied to instrumental rehearsal and performance. Additional attention is given to rehearsal techniques, score study, performance practice and philosophical thought with regard to the art and craft of conducting. Prerequisite: MUSC-369. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC372 - Choral Conducting

Course Details

Subject Code
MUSC

Course Number
372

Department(s)
Music

Course Title
Choral Conducting

Course Description
Designed to provide students with a thorough understanding of choral conducting and rehearsal techniques. Prerequisite: MUSC-369. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC399 - Pedagogy

Course Details

Subject Code
MUSC

Course Number
399

Department(s)
Music

Course Title
Pedagogy

Course Description
Examines materials and methodology in the various areas and levels of applied studio teaching. 2 SH. Offered at least once annually with rotating topics.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

MUSC450 - Topics in Music Literature

Course Details

Subject Code
MUSC

Course Number
450

Department(s)
Music

Course Title
Topics in Music Literature

Course Description
Various topics in music literature, including piano, voice, organ, string, brass, percussion, and woodwind literature. 2 SH. Offered at least once annually with rotating topics.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

MUSC451 - Vocal & Instrument Lit for Collab Piano

Course Details

Subject Code
MUSC

Course Number
451

Department(s)
Music

Course Title
Vocal & Instrument Lit for Collab Piano

Course Description
This course aims to introduce and broadly develop a working knowledge of the vast amount of repertoire that collaborative pianists experience, including: vocal art songs, opera arias and oratorios, musical theatre pieces, instrumental character pieces, sonatas, and concerti. Prerequisite: At least 1 semester of MUSC-019. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

MUSC500 - Full Recital

Course Details

Subject Code
MUSC

Course Number
500

Department(s)
Music

Course Title
Full Recital

Course Description
Public recital performance for credit. Prerequisite: Approval by the music faculty on recommendation of the major teacher. 2 SH. Capstone.

Course Types
Capstone (CAPS)

Semester Hours

Semester Hours:
2

MUSC501 - Independent Study

Course Details

Subject Code
MUSC

Course Number
501

Department(s)
Music

Course Title
Independent Study

Course Description
In-depth study of a selected topic under faculty guidance. Includes a research paper or presentation or performance for students and faculty. Prerequisites: Securing a faculty sponsor, approval of topic by a music faculty committee, and junior or senior standing. May be repeated for credit. 2-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

MUSC503 - Half Recital

Course Details

Subject Code
MUSC

Course Number
503

Department(s)
Music

Course Title
Half Recital

Course Description
Public recital performance for credit. Prerequisite: Approval by the music faculty on recommendation of the major teacher. 0 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
0

MUSC504 - Internship

Course Details

Subject Code
MUSC

Course Number
504

Department(s)
Music

Course Title
Internship

Course Description
Supervised work experience in fields such as recording, music merchandising, church music, music therapy, instrument repair and concert management. Prerequisites: Department head's permission and a 2.75 or higher GPA. 0-12 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
4

MUSC506 - Independent Study in Music-Capstone

Course Details

Subject Code
MUSC

Course Number
506

Department(s)
Music

Course Title
Independent Study in Music-Capstone

Course Description
In-depth study of a selected topic under faculty guidance. Includes a research paper or presentation or performance for students and faculty. Prerequisites: Securing a faculty sponsor, approval of topic by a music faculty committee, and junior or senior standing. May be repeated for credit. 2 SH. Capstone.

Course Types
Capstone (CAPS)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

MUSC555 - Forum

Course Details

Subject Code	Course Number	Department(s)
MUSC	555	Music

Course Title
Forum

Course Description
Solo and ensemble performance in a semi-formal setting. Includes programs by visiting organizations, guest artists and lecturers. 0 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
0

Neuroscience Department

Faculty Coordinators

Helen Kiso, Ph.D., Associate Professor of Psychology

Alissa A. Packer, Ph.D., Associate Professor of Biology

Programs

Neuroscience (BS)

About the Program

Program Title
Neuroscience (BS)

Degree
Bachelor of Science

Program Code
NRSC.BS

Program Description
The B.S. degree in neuroscience requires 61 semester hours in biology, chemistry, and psychology, with grades of C- or better in courses counting toward the major. The program involves 37 semester hours of required major courses that serve as the major's foundation, providing students with an understanding of the disciplines that come together to make up the field of neuroscience. In addition, the 61 semester hour total includes 12 semester hours of chemistry courses. Another 12 semester hours of upper-division electives are taken, which must include at least one course with a laboratory component. The neuroscience major capstone represents a full academic year of extended experimental investigation in collaboration with a faculty mentor. Neuroscience students will be able to complete many of their Central Curriculum requirements within the major.

Departmental honors requirements
The departmental honors program encourages and recognizes outstanding performance in neuroscience. To graduate with honors in neuroscience, students must do the following:
• Complete all of the requirements for the major, and
• Have an overall cumulative GPA of 3.25 and a neuroscience GPA of 3.50

Program Requirements

Requirements

37 Required Major Courses

4 NEUR-101 Introduction to Neuroscience

4 NEUR-510 Neuroscience Student Research I

4 NEUR-511 Neuroscience Student Research II

4 BIOL-102 Cell Biology and Genetics

4 BIOL-455 Functional Neuroanatomy

4 PSYC-101 Principles of Psychology

4 PSYC-123 Statistics for the Behavioral Sciences OR BIOL-220: Biostatistics OR MATH-180: Statistical Methods

4 PSYC-223 Research Methods in Psychology

4 PSYC-342 Behavioral Neuroscience

1 PSYC-360 Laboratory in Behavioral Neuroscience

12 Cognate Chemistry Courses

4 General Chemistry I (CHEM-103, CHEM-111)

4 CHEM-221 Organic Chemistry I

4 CHEM-222 Organic Chemistry II

12 Advanced Electives (at least one elective must include a laboratory component)

3 BIOL-300 Developmental Biology

1 BIOL-301 Developmental Biology lab

3 BIOL-302 Comparative Vertebrate Anatomy

1 BIOL-303 Comparative Vertebrate Anatomy lab

3 BIOL-306 Cell Biology

1 BIOL-307 Cell Biology lab

3 BIOL-310 Animal Physiology

1 BIOL-315 Animal Physiology lab

3 BIOL-316 Molecular Biology

1 BIOL-317 Molecular Biology lab

4 BIOL-318 General Biochemistry

4 BIOL-319 Advanced Genetics

3 BIOL-324 Animal Behavior

1 BIOL-325 Animal Behavior lab

3 BIOL-400 Immunology

1 BIOL-401 Immunology lab

3 BIOL-440 Behavioral Neuroendocrinology

1 BIOL-441 Behavioral Neuroendocrinology lab 4 CHEM-302 Medicinal Chemistry

3 CHEM-424 The Biochemistry of Metabolism

1 CHEM-429 The Biochemistry of Metabolism lab

3 CHEM-422 The Biochemistry of Nucleic Acid

1 CHEM-423 The Biochemistry of Nucleic Acid lab

3 CHEM-426 The Biochemistry of Proteins and Enzymes and

1 CHEM-427 The Biochemistry of Proteins and Enzymes lab

4 HLCR-302 Human Physiology

4 NEUR-500 Topics in Neuroscience

4 PHIL-228 Neuroethics

4 PHIL-315 Philosophy of Mind

4 PSYC-320 Psychological Disorders

4 PSYC-340 Cognitive Psychology

4 PSYC-344 Learning Processes

4 PSYC-346 Sensation and Perception

4 PSYC-348 Psycholinguistics

1 PSYC-361 Laboratory in Cognitive Psychology

1 PSYC-362 Laboratory in Learning Processes

1 PSYC-363 Laboratory in Sensation and Perception

Courses

NEUR101 - Introduction to Neuroscience

Course Details

Subject Code
NEUR

Course Number
101

Department(s)
Neuroscience

Course Title
Introduction to Neuroscience

Course Description
This course introduces students to the interdisciplinary field of neuroscience: the study of the neural basis of complex behavioral and cognitive phenomena. This course includes a laboratory component where students will be actively engaged in the process of scientific inquiry. 4 SH. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

NEUR500 - Topics in Neuroscience

Course Details

Subject Code
NEUR

Course Number
500

Department(s)
Neuroscience

Course Title
Topics in Neuroscience

Course Description
Varying topics reflecting student and instructor interest. Possible topics could include developmental neurobiology and diseases of the brain. Prerequisites: NEUR-101, PSYC-101, and BIOL-102, or instructor permission. Variable credit.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

NEUR502 - Independent Study

Course Details

Subject Code
NEUR

Course Number
502

Department(s)
Neuroscience

Course Title
Independent Study

Course Description
Individualized academic work for qualified students under faculty direction. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

NEUR510 - Neuroscience Research I

Course Details

Subject Code
NEUR

Course Number
510

Department(s)
Neuroscience

Course Title
Neuroscience Research I

Course Description
Neuroscience Student Research I introduces students to methods and techniques of neuroscience research in the context of a collaborative research project. Prerequisite: Senior standing in neuroscience or instructor's permission. Capstone. 4 SH.

Course Types
Research (RSRCH), Capstone (CAPS)

Semester Hours

Semester Hours:
4

NEUR511 - Neuroscience Student Research II

Course Details

Subject Code	Course Number	Department(s)
NEUR	511	Neuroscience

Course Title
Neuroscience Student Research II

Course Description
Collaborative research with an emphasis on presentation of data and explanation of results. Prerequisite: NEUR-510 or instructor's permission. CC: Writing Intensive.

Course Types
Research (RSRCH), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

Philosophy Department

Faculty

Bryan Chambliss, Ph.D., Assistant Professor of Philosophy, department head

Theresa Lopez, Ph.D., Assistant Professor of Philosophy

Coleen Patricia Zoller, Ph.D., Professor of Philosophy

Programs

Philosophy Minor

About the Program

Program Title
Philosophy Minor

Program Code
MINR.PHIL

Program Requirements

Requirements
The philosophy minor completes, with a grade of C- or better, at least 20 semester hours in philosophy. Students consult with a minor advisor to select courses and are expected to take a balance of upper- and lower-level courses.

Science Communication Minor

About the Program

Program Title
Science Communication Minor

Program Code
MINR.SCICOMM

Program Description
The minor in Science Communication provides an interdisciplinary, skills-based approach to preparing students for careers in science and technology communication. By supplementing the knowledge acquired in their scientific training with both an understanding of what successful science communication requires and the necessary skills to do it, the minor equips graduates to communicate science to the public.

Program Requirements

Requirements
The minor in Science Communication requires 20 SH of coursework as follows:

Required Foundational Course – 4 SH

PHIL-231 Philosophy of Science (4SH)

Communications Courses – 8 SH from among these offerings

COMM-101 Essentials of Digital Media (4SH)

COMM-131 Introduction to Journalism (4SH)

COMM-191 Interpersonal Communication (4SH)

COMM-192 Public Speaking (4SH)

COMM-194 Intercultural Communication (4SH)

COMM-202 Digital Media Analytics (4SH)

COMM-231 News & Content Creation (4SH)

COMM-277 Audio Production and Media Performance (4SH)

COMM-282 Fundamentals of Digital Video Production (4SH)

COMM-331 Editing (4SH)

ENGL-297 Writing and Editing Podcasts (4SH)

Writing Course– 4 SH from among these offerings

ENGL-289 Grant Writing (4SH)

ENGL-299 Professional & Civic Writing (4SH)

ENGL-385 Making Democracy Work (4SH)

WRIT-253 Introduction to Creative Nonfiction (4SH)

Required Science Communication Course– 4SH

PHIL-340 Science Communication: Engaging with the Public (4SH)

Philosophy (BA)

About the Program

Program Title
Philosophy (BA)

Degree
Bachelor of Arts

Program Code
PHIL.BA

Learning Goals
- Read texts/arguments in a reflective and critical manner
- Write in a coherent and persuasive manner
- Understand and apply logical thinking skills in evaluating arguments
- Be literate with respect to various historical periods, philosophers, and sub-fields

Departmental honors requirements
The honors in philosophy designation encourages and commends outstanding academic work. To graduate with departmental honors in philosophy, students must do the following:
• Complete requirements for the major,
• Have a cumulative GPA of at least 3.00 overall and at least 3.50 in philosophy, and
• Perform outstanding academic work in at least one course of directed readings and research in philosophy.

Program Requirements

Requirements
Philosophy majors complete, with a grade of C- or better, at least 36 hours in philosophy. In order to graduate with a philosophy major, students must have a minimum GPA of 2.00 in their philosophy courses.

Requirements include:

4	PHIL-213	Symbolic Logic
4	PHIL-241	Ancient Philosophy
4	PHIL-243	Modern Philosophy
4	**One 4 SH course from this list of ethics courses:**	
PHIL-101	Problems in Philosophy	
PHIL-105	Philosophy of Love and Desire	
PHIL-122	Resolving Moral Conflicts	
PHIL-125	Justice	
PHIL-130	The Good Life	
PHIL-150	Race, Class, and Ethics	
PHIL-221	Applied Ethics	
PHIL-222	Advanced Ethical Theory	
PHIL-224	Bioethics	
PHIL-226	Philosophy, Ethics, and the Environment	
PHIL-228	Neuroethics	
4	**One 4 SH course from this list:**	
PHIL-210	Philosophy of Religion	
PHIL-211	Existentialism	

PHIL-212	Feminist Philosophy
PHIL-214	Black Existentialism
PHIL-222	Advanced Ethical Theory
PHIL-231	Philosophy of Science
PHIL-235	Aesthetics
PHIL-245	19th/20th Century Philosophy
PHIL-255	Plato's *Republic* and HBO's The Wire
8	**Two 4 SH courses from this list:**
PHIL-301	Plato Seminar
PHIL-305	Topics in Philosophy
PHIL-312	Theories of Knowledge and Reality
PHIL-315	Philosophy of Mind
PHIL-320	Moral Psychology

Capstone

Students majoring in only philosophy are expected to take PHIL500—Directed Reading and Research to serve as a culmination of all their studies, allowing them to address a particular topic, issue or thinker in philosophy through the lens of their total undergraduate education.

A student with philosophy as a double major may fulfill the university capstone requirement in a major outside of this department. Any double-majoring student who elects to fulfill the capstone requirement in another major must still complete at least 36 hours in philosophy.

Any student wishing to qualify for philosophy departmental honors must successfully complete PHIL-500 in addition to any capstone requirements imposed in a second major.

Capstone Requirement

Students majoring in philosophy are expected to take the senior capstone requirement in the appropriate subject. A student with a double major may fulfill the university capstone requirement in a major outside of this department. Any student who elects to fulfill the capstone requirement in this manner must complete the philosophy major by successful completion of an additional four-semester-hour course, or the equivalent, in the relevant subject. Any student wishing to qualify for philosophy departmental honors must fulfill the appropriate capstone as provided by the philosophy department in addition to any capstone requirements imposed in a second major.

The course description for the departmental capstone states that it is "to serve [students] as a culmination of all their studies, allowing them to address a particular topic, issue or thinker in philosophy through the lens of their total undergraduate education." Philosophy majors are encouraged to develop capstone projects that also draw on knowledge and strengths they have acquired in declared minors. Primary oversight of such projects will rest with the appropriate faculty supervisor in philosophy, although students will also be expected to work with an appropriate advisor from their minor area(s) of study.

Courses

PHIL101 - Problems in Philosophy

Course Details

Subject Code
PHIL

Course Number
101

Department(s)
Philosophy

Course Title
Problems in Philosophy

Course Description
An introduction to philosophy and philosophical problems. Emphasizes standards and ideals of morality and truth. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

PHIL105 - Philosophy of Love & Desire

Course Details

Subject Code
PHIL

Course Number
105

Department(s)
Philosophy

Course Title
Philosophy of Love & Desire

Course Description
An introduction to philosophy, this course examines theories of love, desire, and friendship from ancient, medieval, modern, 19th and 20th century philosophers. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

PHIL115 - Social Justice Leadership

Course Details

Subject Code
PHIL

Course Number
115

Department(s)
Philosophy

Course Title
Social Justice Leadership

Course Description
This course is designed to introduce students to a number of theoretical frameworks in the fields of philosophy, leadership and social justice. Using multiculturalism and social justice as guideposts, the course will assist student leaders to understand diversity using the central tenets of mentoring, leadership and agency. Through these theories, the concepts of oppression, activism and advocacy will be investigated. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

PHIL122 - Resolving Moral Conflicts

Course Details

Subject Code
PHIL

Course Number
122

Department(s)
Philosophy

Course Title
Resolving Moral Conflicts

Course Description
Investigates problems involved in moral decision making, providing students with a better understanding of what it means to be a good individual, a good family member, and a good citizen of the nation and world. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

PHIL125 - Justice

Course Details

Subject Code
PHIL

Course Number
125

Department(s)
Philosophy

Course Title
Justice

Course Description
This introductory course is a philosophical inquiry into the idea of justice. Rather than focusing on personal morality, we will investigate issues of public policy. How ought we, through our laws and institutions, distribute the benefits and burdens of society -- income and wealth, duties and rights, powers and opportunities, offices and honors? Philosophical writings as well as practical issues that illustrate competing theories of justice will be investigated. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

PHIL140 - The Good Life

Course Details

Subject Code
PHIL

Course Number
140

Department(s)
Philosophy

Course Title
The Good Life

Course Description
This course examines two related areas of ethics: Theories of the good life or well-being make up the first. Engaging perspectives from various disciplines, we take up questions like 'what makes a life go well?' and 'what is worth pursuing for its own sake?' The good life involves not simply feeling good but also being good and doing right by others. Knowing how we should treat one another can be aided by having a grasp of general moral ideals. Normative ethics is the term for this area of inquiry, and occupies the latter part of the course. 4SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

PHIL150 - Race, Class, and Ethics

Course Details

Subject Code
PHIL

Course Number
150

Department(s)
Philosophy

Course Title
Race, Class, and Ethics

Course Description
Examines ethical theory and practice in connection with the relevant social and political philosophy, focusing on the philosophical issues that arise in everyday life. 4SH. CC: Ethics, Diversity Intensive.

Course Types
Standard (STAND), Ethics (ETHCS), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

PHIL210 - Philosophy of Religion

Course Details

Subject Code
PHIL

Course Number
210

Department(s)
Philosophy

Course Title
Philosophy of Religion

Course Description
Focus on classical and contemporary writings to determine the credibility of religious faiths and beliefs. Same as RELI-210. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

PHIL211 - Existentialism

Course Details

Subject Code	Course Number	Department(s)
PHIL	211	Philosophy

Course Title
Existentialism

Course Description
An intensive study of the themes and ideas that inform different existentialist texts. This course also examines the historical context for the emergence of this contemporary school of thought. Prerequisite: Sophomore standing. 4 SH. CC: Ethics Intensive, Interdisciplinary.

Course Types
Standard (STAND), Ethics Intensive (INETH), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

PHIL212 - Feminist Philosophy

Course Details

Subject Code	Course Number	Department(s)
PHIL	212	Philosophy

Course Title
Feminist Philosophy

Course Description
An examination of the various forms of feminist philosophy (e.g., liberal feminism, radical feminism, existential feminism, Marxist/socialist feminism, psychoanalytic feminism, postmodern feminism, eco-feminism, multicultural & global feminism). Emphasizes how feminism differs from common (mis)understandings of it. Some attention is also given to various women in professional philosophy. Same as WGST-200. 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

PHIL213 - Symbolic Logic

Course Details

Subject Code	Course Number	Department(s)
PHIL	213	Philosophy

Course Title
Symbolic Logic

Course Description
Examines basic procedures for determining the validity or invalidity of deductive arguments. Emphasizes standard notations, principles and methods used in modern symbolic logic. Also covers aspects of set theory. 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

PHIL214 - Black Existentialism

Course Details

Subject Code	Course Number	Department(s)
PHIL	214	Philosophy

Course Title
Black Existentialism

Course Description
This course examines the work of key figures in black existential philosophy from the early twentieth century to the present day. These philosophers take up ideas central to the existentialist movement in the course of analyzing the lived conditions of black life under systems of colonialism and antiblack racism. Prerequisite: Sophomore standing. 4 SH. CC: Interdisciplinary, Diversity Intensive, Ethics Intensive.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Diversity Intensive (INDIV), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

PHIL221 - Applied Ethics

Course Details

Subject Code
PHIL

Course Number
221

Department(s)
Philosophy

Course Title
Applied Ethics

Course Description
Examines a variety of practical ethical issues and problems using the tools of philosophical analysis and moral theory. Subject area for course will change on a rotating basis and will include ethics of war and peace and environmental ethics. 2-4 SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

PHIL222 - Advanced Ethical Theory

Course Details

Subject Code
PHIL

Course Number
222

Department(s)
Philosophy

Course Title
Advanced Ethical Theory

Course Description
Principal theories of moral value and duty in the history of Western thought as well as in contemporary philosophy. Readings may include works from such thinkers as Plato, Aristotle, Kant, Mill, Schopenhauer, Nietzsche, Held, Korsgaard, Hursthouse, Hooks, Bordo, de Waal, MacIntyre, Blackburn, and Lear. Prerequisite: One course in philosophy or instructor's permission. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

PHIL223 - Business Ethics

Course Details

Subject Code
PHIL

Course Number
223

Department(s)
Philosophy

Course Title
Business Ethics

Course Description
A systematic and philosophically informed consideration of some typical moral problems faced by individuals in a business setting, and a philosophical examination of some common moral criticisms of the American business system. 4 SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Business Ethics (BETHC)

Semester Hours

Semester Hours:
4

PHIL224 - Bioethics

Course Details

Subject Code
PHIL

Course Number
224

Department(s)
Philosophy

Course Title
Bioethics

Course Description
Examines the major ethical controversies in medicine, subjecting them to close philosophical analysis. Subjects addressed include the patient/doctor relationship, informed voluntary consent, beginning and end of life issues, abortion, reproductive rights, genetic therapies and cloning, human subject medical experimentation, and health care resource allocation. 4 SH. CC: Ethics, Diversity Intensive

Course Types
Standard (STAND), Ethics (ETHCS), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

PHIL226 - Philosophy, Ethics and the Environment

Course Details

Subject Code	Course Number	Department(s)
PHIL	226	Philosophy

Course Title
Philosophy, Ethics and the Environment

Course Description
This course centers on ethical issues surrounding consumption, both of food and fuel. We examine the environmental and moral implications of our agricultural practices, factory farming, and energy use and production with particular attention to climate change. We will examine foundational questions in environmental ethics concerning the value and moral standing of elements of the environment, including wide-ranging questions about human beings' proper relationship with the natural environment and with non-human forms of life, as well as our relationships with one another. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

PHIL228 - Neuroethics

Course Details

Subject Code	Course Number	Department(s)
PHIL	228	Philosophy

Course Title
Neuroethics

Course Description
Examines ethical, legal and social issues raised by developments in the neurosciences and related technologies. 4 SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

PHIL231 - Philosophy of Science

Course Details

Subject Code	Course Number	Department(s)
PHIL	231	Philosophy

Course Title
Philosophy of Science

Course Description
Investigates the logic of the scientific method, the history of scientific thought and the philosophical underpinnings of modern science. Focuses on developing an understanding of the nature, origins and growth of modern science and the application of scientific knowledge to human affairs. Prerequisites: sSophomore standing. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

PHIL235 - Aesthetics

Course Details

Subject Code	Course Number	Department(s)
PHIL	235	Philosophy

Course Title
Aesthetics

Course Description
Examines artistic and aesthetic values reflected in both past and present philosophies of art and beauty. Readings may include selections from Plato, Aristotle, Hume, Kant and Tolstoy, as well as 20th-century philosophers and artists. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

PHIL240 - Being Awesome At Life

Course Details

Subject Code	Course Number	Department(s)
PHIL	240	Philosophy

Course Title
Being Awesome At Life

Course Description
This course offers a cross-cultural examination of the pursuit of a good human life, and how one learns to live better. In other words, it is about the theory and practice of being awesome at life. We focus on ethical dispositions (skills, habits, and virtues) as critical features of ethics, explored through texts from various religious and philosophical figures in English translation, as well as film and other media. Prerequisite: Junior standing. Previous experience in philosophy or religious studies will be very helpful, but not required. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

PHIL241 - Ancient Philosophy

Course Details

Subject Code	Course Number	Department(s)
PHIL	241	Philosophy

Course Title
Ancient Philosophy

Course Description
The origins of Western philosophical thought in ancient Greece and Rome. Emphasizes Plato, and Aristotle, and the Stoics. 4 SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

PHIL243 - Modern Philosophy

Course Details

Subject Code	Course Number	Department(s)
PHIL	243	Philosophy

Course Title
Modern Philosophy

Course Description
Focuses on the ideas of European and British philosophers from Descartes through Kant. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PHIL245 - 19th and 20th Century Philosophy

Course Details

Subject Code	Course Number	Department(s)
PHIL	245	Philosophy

Course Title
19th and 20th Century Philosophy

Course Description
This course is a study of works by noted philosophers in the nineteenth and twentieth centuries that represent the dominant movements that arose in response to the critique of idealism and metaphysics, such as existentialism, phenomenology, psychoanalytic theory, analytic philosophy, and postmodern philosophy. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PHIL255 - The Republic & HBO's The Wire

Course Details

Subject Code
PHIL

Course Number
255

Department(s)
Philosophy

Course Title
The Republic & HBO's The Wire

Course Description
This course examines HBO's The Wire in comparison with Plato's Republic. Both the Republic and The Wire concern life in a city and which factors foster justice and which foster injustice. These texts raise philosophical questions, such as: What is justice? Who should rule? What are the obligations of rulers? How should children be educated? Who is best suited to protect the city, and how should they be educated for this important job? How should desire be managed in society? Our task is, first, to work to understand the philosophizing being done in both these texts, and second, to philosophize on our own about the topics raised by both texts. 4 SH. CC: Diversity, Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Diversity (DVERS), Africana Studies Minor (AFRC)

Semester Hours

Semester Hours:
4

PHIL301 - Plato Seminar

Course Details

Subject Code
PHIL

Course Number
301

Department(s)
Philosophy

Course Title
Plato Seminar

Course Description
An intensive study of the works of Plato. Topics may vary and may include Plato's theory of education, Plato and the Greek literary tradition, Plato's Republic, the role of the body in Plato's epistemology, dialectic and dramatic dialogue. 4 SH. Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PHIL305 - Topics in Philosophy

Course Details

Subject Code
PHIL

Course Number
305

Department(s)
Philosophy

Course Title
Topics in Philosophy

Course Description
Examines selected topics in philosophy, depending on student and instructor interest. Course may be repeated for credit if topic is different. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

PHIL312 - Theories of Knowledge & Reality

Course Details

Subject Code
PHIL

Course Number
312

Department(s)
Philosophy

Course Title
Theories of Knowledge & Reality

Course Description
Do we have knowledge of the world around us, the so-called external, objective world? Are there any objective truths about the world for us to discover? If there are, how do we come to have knowledge of these truths? These and other related questions of epistemology will constitute the subject matter of this course. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PHIL315 - Philosophy of Mind

Course Details

Subject Code	Course Number	Department(s)
PHIL	315	Philosophy

Course Title
Philosophy of Mind

Course Description
Investigates philosophical questions about the nature of the mind, its relation to the brain and body, perception, and consciousness. Focuses on the role of scientific evidence in understanding the mind. Prerequisites: Sophomore standing or above. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

PHIL320 - Moral Psychology

Course Details

Subject Code	Course Number	Department(s)
PHIL	320	Philosophy

Course Title
Moral Psychology

Course Description
This course is a study of the human moral mind from both a philosophical and scientific perspective. How do we determine what's morally right and wrong? Why do we act morally? and Why do we sometimes fail? Many such philosophical questions about morality have been illuminated by recent work in psychology and neuroscience. Our aim is to integrate varied disciplinary approaches to make progress in addressing both the practical and theoretical dimensions of these questions. Prerequisite: One course in philosophy or psychology, and sophomore standing. 4 SH. CC: Interdisciplinary, Ethics Intensive, Writing Intensive

Course Types
Interdisciplinary (DISCP), Ethics Intensive (INETH), Writing Intensive (INWRT), Standard (STAND)

Semester Hours

Semester Hours:
4

PHIL321 - Moral Philosophy

Course Details

Subject Code	Course Number	Department(s)
PHIL	321	Philosophy

Course Title
Moral Philosophy

Course Description
This course is a study of the human moral mind from both a philosophical and scientific perspective. How do we determine what's morally right and wrong? Why do we act morally? and Why do we sometimes fail? Many such philosophical questions about morality have been illuminated by recent work in psychology and neuroscience. Our aim is to integrate varied disciplinary approaches to make progress in addressing both the practical and theoretical dimensions of these questions. Prerequisite: One course in philosophy or psychology, and sophomore standing. 4 SH. CC: Interdisciplinary, Ethics Intensive, Writing Intensive

Course Types
Standard (STAND), Interdisciplinary (DISCP), Ethics (ETHCS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PHIL340 - Science Communication

Course Details

Subject Code	Course Number	Department(s)
PHIL	340	Philosophy

Course Title
Science Communication

Course Description
Examines science communication as an element of publicly engaged science. Emphasizes understanding the nature of successful science communication as well as developing the oral and written skills necessary to communicate science to the public. 4 SH. CC: Writing Intensive; Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

PHIL400 - Independent Study

Course Details

Subject Code	Course Number	Department(s)
PHIL	400	Philosophy

Course Title
Independent Study

Course Description
Individual work on selected topics for qualified students under faculty direction. Requires approval of supervising professor and department head. 1-4 SH.

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

PHIL500 - Directed Reading and Research

Course Details

Subject Code	Course Number	Department(s)
PHIL	500	Philosophy

Course Title
Directed Reading and Research

Course Description
Study of a specific topic in the field for qualified students in consultation with the department. 2-4 SH. Capstone.

Course Types
Research (RSRCH), Capstone (CAPS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

Physics Department

Faculty

Jennifer Carter, Ph.D., Associate Professor of Physics, department head

Samya B. Zain, Ph.D., Professor of Physics

Carl Faust, Ph.D., Associate Professor of Physics

Adam Hansell, Ph.D., Associate Professor of Physics

Programs

Astronomy Minor

About the Program

Program Title
Astronomy Minor

Program Code
MINR.ASTRO

Program Description
The astronomy minor is designed for students interested in gaining observational experience in astronomy and applying astronomy theory to practice. Students gain a foundation applicable to astronomy, physics, data analysis, and science communication.

Double-counting Restriction
PHYS-100, PHYS-230, and PHYS-307 may not be double counted toward the Physics Major or Physics Minor.

Program Requirements

Requirements
The astronomy minor requires 20 semester hours and no grade below C- in courses outlined below.

12 Required Courses

4 PHYS-100 Introductory Astronomy

4 PHYS-230 Observational Astronomy

4 PHYS-307 Astronomy and Astrophysics

8 Choose from:

4 Introductory Physics I (PHYS-202 or PHYS-204)

4 Introductory Physics II (PHYS-205 or PHYS-206)

4 PHYS-301 Newtonian Mechanics

4 PHYS-306 Modern Physics

Physics Minor

About the Program

Program Title
Physics Minor

Program Code
MINR.PHYS

Double-counting Restriction
Students majoring in Chemical Physics may not double-count courses toward a Chemistry or Physics minor.

Program Requirements

Requirements
Students consult with their major advisor and a physics faculty member to design minor programs.

The physics minor requires 20 semester hours with grades of C- or better in courses outlined below.

8 Required Courses

4 Introductory Physics I (PHYS-202 or PHYS-204)

4 Introductory Physics II (PHYS-205 or PHYS-206)

12 Physics Electives

8 Additional PHYS courses, not including PHYS-110 or PHYS-140

4 PHYS course at the 300-level or higher

Physics 3-2 Pre-Engineering (BS)

About the Program

Program Title
Physics 3-2 Pre-Engineering (BS)

Degree
Bachelor of Science

Program Code
PHYS.3-2.BS

Learning Goals
-

Engineering Joint Program with Columbia University, Washington University in St. Louis and Case Western University

Students spend three years at Susquehanna, taking a meticulously structured program of Susquehanna distributional requirements, courses for a major program in chemistry, computer science, mathematics or physics, and pre-engineering foundation courses prescribed by the specific joint university.

For Columbia University, students must earn a pre-engineering GPA of 3.30 or higher, as calculated by Columbia University. Additionally, the minimum grade for each pre-engineering science or math course must be a B (3.0) or better on the first attempt.

For Washington University in St. Louis, students must earn an overall and pre-engineering GPA of 3.25 or higher, as calculated by Washington University.

For Case Western University, students must earn an overall and pre-engineering GPA of 3.0 or higher, as calculated by Case Western University.

Approved candidates enroll at the partner university for two years, earning both a bachelor's degree in chemistry, computer science, mathematics or physics from Susquehanna and an engineering degree from the respective partner university. For more information, contact Professor of Physics Samya Zain.

Physics - Secondary Education (BA)

About the Program

Program Title
Physics - Secondary Education (BA)

Degree
Bachelor of Arts

Program Code
PHYS.ED.BA

Program Description
Susquehanna offers both Bachelor of Arts and Bachelor of Science programs in physics. The department strongly recommends the Bachelor of Science program for students interested in graduate school or industrial employment. Majors can pursue an interdisciplinary interest, such as biophysics, by carefully choosing electives. The Bachelor of Arts is a good choice for students preparing to teach secondary school.

Program Requirements

Requirements
In addition to the Education course requirements listed below, secondary education physics students complete all of the usual requirements for the physics major.

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Physics - Secondary Education (BS)

About the Program

Program Title
Physics - Secondary Education (BS)

Degree
Bachelor of Science

Program Code
PHYS.ED.BS

Program Description
Susquehanna offers both Bachelor of Arts and Bachelor of Science programs in physics. The department strongly recommends the Bachelor of Science program for students interested in graduate school or industrial employment. Majors can pursue an interdisciplinary interest, such as biophysics, by carefully choosing electives. The Bachelor of Arts is a good choice for students preparing to teach secondary school.

Program Requirements

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In addition to the Education course requirements listed below, secondary education physics students complete all of the usual requirements for the physics major.

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4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Physics (BA)

About the Program

Program Title
Physics (BA)

Degree
Bachelor of Arts

Program Code
PHYSICS.BA

Program Description
Susquehanna offers both Bachelor of Arts and Bachelor of Science programs in physics. The department strongly recommends the Bachelor of Science program for students interested in graduate school or industrial employment. Majors can pursue an interdisciplinary interest, such as biophysics, by carefully choosing electives. The Bachelor of Arts is a good choice for students preparing to teach secondary school.

Learning Goals
- Students will demonstrate an understanding of physical concepts and their applications to real world problems
- Students will demonstrate critical thinking and analytical problem solving techniques
- Students will develop effective written and oral communication skills in Physics
- Students will be able to execute and evaluate proper experimental physics procedures during laboratory work

Double-counting Restriction
Students majoring in Physics may not double-count courses toward a Chemical Physics major.

Students majoring in Chemical Physics may not double-count courses toward a Chemistry or Physics minor.

Departmental honors requirements
The departmental honors program recognizes superior work in the physics courses. To graduate with honors in physics, majors must do the following:
• Maintain a cumulative 3.25 GPA and a 3.5 major GPA in physics, and
• Successfully complete both Physics Capstone I and II (PHYS-551 and PHYS-552) with a grade of B or better.

Program Requirements

Requirements
The Bachelor of Arts degree requires the following courses completed with grades of C- or better:

36 semester hours in physics, including:

4 PHYS-204 Introductory Physics I: Calculus-Based

4 PHYS 206 Introductory Physics II: Calculus-based

4 PHYS-301 Newtonian Mechanics

4 PHYS-302 Electric and Magnetic Fields

2 PHYS-551 Physics Capstone I

2 PHYS-552 Physics Capstone II

8 Additional hours from PHYS courses, not including PHYS-100, -108, -110, -140

8 Additional hours from PHYS courses at the 300- or 400-level

16 semester hours in mathematics

4 MATH-111 Calculus I

4 MATH-112 Calculus II

4 MATH-201 Linear Algebra

4 MATH-211 Multivariable Calculus

8 Additional hours

4 CHEM-103 General Chemistry I **or** CHEM-111 General Chemistry I Workshop

4 Additional hours in approved biology, chemistry, earth and environmental sciences, mathematics, or computer science courses

Physics (BS)

About the Program

Program Title
Physics (BS)

Degree
Bachelor of Science

Program Code
PHYSICS.BS

Program Description
Susquehanna offers both Bachelor of Arts and Bachelor of Science programs in physics. The department strongly recommends the Bachelor of Science program for students interested in graduate school or industrial employment. Majors can pursue an interdisciplinary interest, such as biophysics, by carefully choosing electives. The Bachelor of Arts is a good choice for students preparing to teach secondary school.

Learning Goals
- Students will demonstrate an understanding of physical concepts and their applications to real world problems
- Students will demonstrate critical thinking and analytical problem solving techniques
- Students will develop effective written and oral communication skills in Physics
- Students will be able to execute and evaluate proper experimental physics procedures during laboratory work

Double-counting Restriction
Students majoring in Physics may not double-count courses toward a Chemical Physics major.

Students majoring in Chemical Physics may not double-count courses toward a Chemistry or Physics minor.

Departmental honors requirements
The departmental honors program recognizes superior work in the physics courses. To graduate with honors in physics, majors must do the following:
• Maintain a cumulative 3.25 GPA and a 3.5 major GPA in physics, and
• Successfully complete both Physics Capstone I and II (PHYS-551 and PHYS-552) with a grade of B or better.

Program Requirements

Requirements
The Bachelor of Science degree requires the following courses completed with grades of C- or better:

36 semester hours in physics, including:

4 PHYS-204 Introductory Physics I: Calculus-Based

4 PHYS-206 Introductory Physics II: Calculus-based

4 PHYS-301 Newtonian Mechanics

4 PHYS-302 Electric and Magnetic Fields

2 PHYS-551 Physics Capstone I

2 PHYS-552 Physics Capstone II

8 Additional hours from PHYS courses, not including PHYS-100, -108, -110, -140

8 Additional hours from PHYS courses at the 300- or 400-level

20 semester hours in mathematics

4 MATH-111-Calculus I

4 MATH-112 Calculus II

4 MATH-201 Linear Algebra

4 MATH-211 Multivariate Calculus

4 MATH-353 Differential Equations

8 **Additional hours**

4 CHEM-103 General Chemistry I **or** CHEM-111 General Chemistry I Workshop

4 Additional hours in approved biology, chemistry, earth and environmental sciences, mathematics, or computer science courses

Courses

PHYS100 - Introductory Astronomy

Course Details

Subject Code	Course Number	Department(s)
PHYS	100	Physics

Course Title
Introductory Astronomy

Course Description
A general overview of astronomy, covering ancient and modern views of the solar system and beyond, out to the farthest reaches of the observable universe. The course focuses on building a basic understanding of the physical laws that dictate celestial motions and the processes behind the birth, evolution, and death of objects within the universe, as well as the universe itself. It is a primary goal to demonstrate how the scientific method works and how science builds a testable, coherent understanding of natural phenomena. Includes a laboratory component where students gain hands-on experience and are actively engaged in the process of scientific inquiry. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

PHYS100L - Introductory Astronomy Lab

Course Details

Subject Code	Course Number	Department(s)
PHYS	100L	Physics

Course Title
Introductory Astronomy Lab

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

PHYS101 - Digital and Analog Electronics

Course Details

Subject Code	Course Number	Department(s)
PHYS	101	Physics

Course Title
Digital and Analog Electronics

Course Description
The fundamental principles of digital and analog electronics are introduced, while emphasizing applications. Guided laboratory investigations are designed to develop an understanding of common electronic devices, as well as scientific instrumentation. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

PHYS105 - Independent Thought in Physics

Course Details

Subject Code	Course Number	Department(s)
PHYS	105	Physics

Course Title
Independent Thought in Physics

Course Description
This course serves as an introduction to how physics developed in the last couple of centuries. The objective of this course is to give the foundations for understanding the cornerstones of Physics and a general understanding of the concepts of science. The students will learn how to approach physics problems without a provided outline, and they will be expected to find their own solutions to the assigned problems with subtle but available guidance. The instructors will be on hand for help but will not provide direct solutions to the posed problems. The students will need to work actively and independently at the material. However they will be working in teams of 2-3 people, where collaboration between team members is encouraged. All resources will be provided for the students to successfully complete the assigned task. The posed questions will be common experiences in physics that people generally deal with everyday but don't really understand the concepts behind them and in most cases not even know that they were issues 200 years ago.

There are no pre-requisites to this course, just the interest to find out about the world in which we live. 4 SH. CC: Scientific Explanations, Writing Intensive. PRIOR TO MID-JULY, SOME SEATS IN THIS CLASS ARE BEING SAVED FOR THE INCOMING CLASS.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PHYS108 - Physics of Music

Course Details

Subject Code	Course Number	Department(s)
PHYS	108	Physics

Course Title
Physics of Music

Course Description
A study of the acoustics of music. Explores the fundamental scientific principles underlying the physical aspects of music - what music is, how music is produced, how we hear it, and how it is transmitted to a listener. Prerequisites: Familiarity with basic music terminology, music performance experience, a fascination with music, or instructor's permission. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

PHYS108L - Physics of Music Lab

Course Details

Subject Code	Course Number	Department(s)
PHYS	108L	Physics

Course Title
Physics of Music Lab

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
0

PHYS110 - 3D Modeling Design Printing

Course Details

Subject Code	Course Number	Department(s)
PHYS	110	Physics

Course Title
3D Modeling Design Printing

Course Description
A basic introduction to using computer-aided design (CAD) software to model 3D objects and parts to be used in real-world applications. Proper use, calibration, maintenance, and troubleshooting of filament 3D printers will be covered in order to produce quality printed components as efficiently as possible. Emphasis will be placed on design considerations throughout the modeling and printing processes so parts can be used to interface with and solve real-world problems. This course will not count toward the physics major or minor. 4SH. CC: Analytical Thought

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

PHYS140 - Prep for Phys Portion of McAt

Course Details

Subject Code	Course Number	Department(s)
PHYS	140	Physics

Course Title
Prep for Phys Portion of McAt

Course Description
This self-paced course is designed to prepare students for the physics portion of the Medical College Admission Test (MCAT) and/or Optometry Admission Test (OAT) examination. Students will learn MCAT-specific concepts and problem-solving techniques covering topics including mechanics, electromagnetism, optics, thermodynamics, and modern physics. All resources will be provided for the students to successfully complete the assigned work. Students need to work actively and independently at the material, and instructors will be on hand to help. This course will not count toward the physics major or minor. Graded: Satisfactory/Unsatisfactory only. 4 SH. CC: none

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PHYS195 - Independent Thought and Explor Physics

Course Details

Subject Code	Course Number	Department(s)
PHYS	195	Physics

Course Title
Independent Thought and Explor Physics

Course Description
This course serves as an introduction to how physics developed in the last couple of centuries. The objective of this course is to give the foundations for understanding the cornerstones of physics and a general understanding of the concepts of science. The students will learn how to approach physics problems without a provided outline, and they will be expected to find their own solutions to the assigned problems with subtle but available guidance. The instructors will be on hand for help but will not provide direct solutions to the posed problems. The students will need to work actively and independently at the material. However, they will be working in teams of two or three people, where collaboration between team members is encouraged. All resources will be provided for the students to successfully complete the assigned task. The posed questions will be common experiences in physics that people generally deal with every day but don't really understand the concepts behind and, in most cases, don't even know that they were issues 200 years ago. There are no prerequisites to this course, just the interest to find out about the world in which we live. 4 SH. CC: First-year Seminar, Scientific Explanations, Writing Intensive.

Course Types
Standard (STAND), First-Year Seminar (FYSE), Scientific Explanations (SCNTF), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PHYS201 - Introductory Physics I Lab

Course Details

Subject Code	Course Number	Department(s)
PHYS	201	Physics

Course Title
Introductory Physics I Lab

Course Description
Co-requisite lab for PHYS-202 and/or PHYS-204

Course Types
Science Lab (LAB), Not included in catalog (NOCAT)

Semester Hours

Semester Hours:
0

PHYS202 - Introductory Physics I: Algebra-Based

Course Details

Subject Code	Course Number	Department(s)
PHYS	202	Physics

Course Title
Introductory Physics I: Algebra-Based

Course Description
Introduces the macroscopic phenomena of the physical universe. Applies concepts of force, work, energy and momentum to waves, fluids and thermodynamics. Laboratory stresses methods of acquiring data, computer data processing and analyzing the causes of errors. Uses high school algebra and trigonometry as the language. Co-requisite: PHYS-201. 4 SH. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF)

Semester Hours

Semester Hours:
4

PHYS204 - Introductory Physics I: Calculus-Based

Course Details

Subject Code	Course Number	Department(s)
PHYS	204	Physics

Course Title
Introductory Physics I: Calculus-Based

Course Description
Introduces the macroscopic phenomena of the physical universe. Applies concepts of force, work, energy and momentum to waves, fluids and thermodynamics. Laboratory stresses methods of acquiring data, computer data processing and analyzing the causes of errors. Uses algebra, trigonometry and calculus as the language. Pre- or co-requisite: MATH-111; co-requisiste: PHYS-201. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Scientific Explanations.

Course Types
Science Lab (LAB), Scientific Explanations (SCNTF), Calculus-based Section (CALC)

Semester Hours

Semester Hours:
4

PHYS205 - Introductory Physics II: Algebra-Based

Course Details

Subject Code	Course Number	Department(s)
PHYS	205	Physics

Course Title
Introductory Physics II: Algebra-Based

Course Description
Continuation of Intro Physics I. Introduces and applies the concept of a field to gravitation, electricity,magnetism, circuits, optics and the atom. Laboratory stresses electronic data acquisition and independent discovery of physical principles. Uses high school algebra and trigonometry as the language. Prerequisites: PHYS-202 or PHYS-204; co-requisite: PHYS-207. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

PHYS206 - Introductory Physics II: Calculus-based

Course Details

Subject Code	Course Number	Department(s)
PHYS	206	Physics

Course Title
Introductory Physics II: Calculus-based

Course Description
Continuation of Introductory Physics I. Introduces and applies the concept of a field to gravitation, electricity,magnetism, circuits, optics and the atom. Laboratory stresses electronic data acquisition and independent discovery of physical principles. Uses algebra, trigonometry and calculus as the language. Prerequisite:PHYS-204; pre- or co-requisite: MATH-112. 4 SH.

Course Types
Science Lab (LAB), Calculus-based Section (CALC)

Semester Hours

Semester Hours:
4

PHYS207 - Introductory Physics II Lab

Course Details

Subject Code	Course Number	Department(s)
PHYS	207	Physics

Course Title
Introductory Physics II Lab

Course Description
Lab to be taken concurrently with PHYS 205 or PHYS 206

Course Types
Science Lab (LAB), Not included in catalog (NOCAT)

Semester Hours

Semester Hours:
0

PHYS230 - Observational Astronomy

Course Details

Subject Code	Course Number	Department(s)
PHYS	230	Physics

Course Title
Observational Astronomy

Course Description
A laboratory-based course to serve as an introduction to observational astronomy methods, equipment, and data analysis. Techniques covered include telescope observations, CCD imaging and image acquisition, astrometry, photometry, and an introduction to spectroscopy. Additional topics covered based on student project interest include: measuring the variability of stars, determining planetary and star orbits, measuring star and asteroid diameters, measuring sky brightness, analyzing light curves of binary stars or exoplanets, and more as determined by equipment availability and weather. Prerequisites: PHYS 100, PHYS 202, or PHYS 204. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PHYS301 - Newtonian Mechanics

Course Details

Subject Code	Course Number	Department(s)
PHYS	301	Physics

Course Title
Newtonian Mechanics

Course Description
Studies particle and rigid body motion in two and three dimensions. Uses vectors and differential equations. Introduces Lagrangian and Hamiltonian approaches to mechanics. Prerequisite: PHYS-204 and PHYS-206. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

PHYS301L - Newtonian Mechanics Lab

Course Details

Subject Code	Course Number	Department(s)
PHYS	301L	Physics

Course Title
Newtonian Mechanics Lab

Course Types
Science Lab (LAB), Not included in catalog (NOCAT)

Semester Hours

Semester Hours:
0

PHYS302 - Electric and Magnetic Fields

Course Details

Subject Code	Course Number	Department(s)
PHYS	302	Physics

Course Title
Electric and Magnetic Fields

Course Description
Studies the concepts of fields. Uses mathematics of multivariable functions and vectors. Covers Maxwell's equations and their use in describing electric and magnetic waves. Prerequisite: PHYS-204 and PHYS-206. 4 SH.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

PHYS302L - Electric and Magnetic Fields Lab

Course Details

Subject Code	Course Number	Department(s)
PHYS	302L	Physics

Course Title
Electric and Magnetic Fields Lab

Course Types
Science Lab (LAB), Not included in catalog (NOCAT)

Semester Hours

Semester Hours:
0

PHYS303 - Solid State Physics

Course Details

Subject Code
PHYS

Course Number
303

Department(s)
Physics

Course Title
Solid State Physics

Course Description
Introduces the physics of crystalline materials. Discusses lattice dynamics, electron behavior in metals, semiconductors, and dielectric and magnetic properties. Laboratory builds on concepts introduced in analog electronics. Studies computer-to-instrument interfacing, emphasizing signal processing, measurement, and control of external processing. Prerequisite: PHYS-101 and Introductory Physics II. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

PHYS304 - Classical and Modern Optics

Course Details

Subject Code
PHYS

Course Number
304

Department(s)
Physics

Course Title
Classical and Modern Optics

Course Description
Geometrical optics, including reflection, refraction, thick and thin lenses, stops, mirrors, aberrations and ray tracing. Covers physical optics including interference, diffraction, polarization and optical activity. Discusses quantum optics as they apply to lasers, holography and magneto/electro-optics. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

PHYS305 - Topics in Physics

Course Details

Subject Code
PHYS

Course Number
305

Department(s)
Physics

Course Title
Topics in Physics

Course Description
Selected topics not covered in other courses. May include statistical mechanics, nuclear physics, heat and thermodynamics, material science and planetary astronomy. Prerequisite: PHYS-204 and PHYS-206. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

PHYS306 - Modern Physics

Course Details

Subject Code
PHYS

Course Number
306

Department(s)
Physics

Course Title
Modern Physics

Course Description
This course serves as an introduction to the physics discovered near the beginning of the 20th Century and beyond. Topics include Special Relativity, the wave nature of matter, the particle nature of light, the Bohr atom, Non-Relativistic Quantum Mechanics, the hydrogen atom, molecular structure, nuclear structure, and nuclear applications. Additional topics may be covered, depending on professor/student interests. A number of seminal experiments are performed and studied, which aids in putting the introduced ideas into both scientific and historical context. Prerequisite: PHYS-204 and PHYS-206. 4 SH. 3 lecture hours, 3 laboratory hours. CC: Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PHYS307 - Astronomy and Astrophysics

Course Details

Subject Code	Course Number	Department(s)
PHYS	307	Physics

Course Title
Astronomy and Astrophysics

Course Description
Covers astronomy and astrophysical concepts at the intermediate level. Emphasis will be placed on connecting the mathematical and physical concepts to astronomical and astrophysical phenomenon. Potential topics include the celestial sphere, planetary motion, planetary science, stellar physics, exoplanetary systems, galaxies, dark matter, and cosmology. Prerequisites: MATH-112, Intro Physics I (PHYS-203 or -204) 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PHYS308 - Computational Physics

Course Details

Subject Code	Course Number	Department(s)
PHYS	308	Physics

Course Title
Computational Physics

Course Description
An introduction to using computational methods to solve physics problems that are not analytically solvable. No prior programming knowledge is assumed. The course will focus on using MATLAB or some other similar program to graph and visualize data, solve differential equations, generate physics simulation data, and perform general data analysis. Prerequisites: PHYS-202 or PHYS-204 and sophomore standing. CC: Interdisciplinary 4 SH.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

PHYS401 - Electromagnetic and Mechanical Waves

Course Details

Subject Code	Course Number	Department(s)
PHYS	401	Physics

Course Title
Electromagnetic and Mechanical Waves

Course Description
Optical, mechanical and electromagnetic wave phenomena in one, two, and three dimensions. Covers free space, fluids and solids. Begins with Maxwell's equations. Prerequisite: PHYS-204 and PHYS-206. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

PHYS402 - Quantum Mechanics

Course Details

Subject Code	Course Number	Department(s)
PHYS	402	Physics

Course Title
Quantum Mechanics

Course Description
Covers history of quantum mechanics leading to the Bohr Atom. Also focuses on mathematical treatment of quantum mechanics fundamentals. Includes Schrodinger formulation,approximation methods, symmetry and angular momentum. Covers applications to simple atoms and molecules. Prerequisite: PHYS-204 and PHYS-206. 4 SH. CC: Writing Intensive.

Course Types
Science Lab (LAB), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PHYS404 - Thermodynamics & Statistical Mechanics

Course Details

Subject Code
PHYS

Course Number
404

Department(s)
Physics

Course Title
Thermodynamics & Statistical Mechanics

Course Description
This course covers the laws of thermodynamics, thermodynamic functions, heat engines kinetic theory, and the statistical mechanics of classical and quantum-mechanical systems. Prerequisite: PHYS-204 and PHYS-206. 4 SH. 3 lecture hours, 3 laboratory hours.

Course Types
Science Lab (LAB)

Semester Hours

Semester Hours:
4

PHYS405 - Mathematical Physics

Course Details

Subject Code
PHYS

Course Number
405

Department(s)
Physics

Course Title
Mathematical Physics

Course Description
This course focuses on developing mathematical techniques for solving advanced problems in physics including thermodynamics, optics, classical mechanics, and quantum mechanics. Mathematical methods will be introduced and examined from differential equations, calculus of variations, and advanced linear algebra. Requirements: Sophomore standing or higher. Prerequisites: MATH 201, MATH-112, Intro Physics II (PHYS-205 or -206) and sophomore standing. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

PHYS500 - Independent Study

Course Details

Subject Code
PHYS

Course Number
500

Department(s)
Physics

Course Title
Independent Study

Course Description
In-depth focus on a selected topic of student interest. Variable semester hours.

Semester Hours

Semester Hours:
1

Credit Hours Max:
6

PHYS530 - Physics Internship

Course Details

Subject Code
PHYS

Course Number
530

Department(s)
Physics

Course Title
Physics Internship

Course Description
Work for government agency or industry under supervision of a physicist or engineer. Variable semester hours.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
8

PHYS550 - Physics Research

Course Details

Subject Code
PHYS

Course Number
550

Department(s)
Physics

Course Title
Physics Research

Course Description
Individual or group research in experimental or theoretical physics under the direction of a principal investigator. Prerequisite: Permission of adviser and principal investigator. To meet the capstone requirement, a minimum of two semester hours is required. Variable semester hours. Capstone.

Course Types
Research (RSRCH), Capstone (CAPS)

Semester Hours

Semester Hours:
2

Credit Hours Max:
6

PHYS551 - Physics Capstone I

Course Details

Subject Code	Course Number	Department(s)
PHYS	551	Physics

Course Title
Physics Capstone I

Course Description
This course is the first part of a two-semester course to complete the capstone requirement for Physics majors. Students will focus on investigating and developing an appropriate research question. Emphasis will be placed on methods for reviewing existing literature and honing skills necessary to formulate and design an experimental/theoretical approach to solve the proposed research question. 2 SH. Prerequisite: Junior or Senior Status

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

PHYS552 - Physics Capstone II

Course Details

Subject Code	Course Number	Department(s)
PHYS	552	Physics

Course Title
Physics Capstone II

Course Description
This course is the second part of a two-semester course to complete the capstone requirement for Physics majors. Students will continue the research project started in PHYS 551. Emphasis will be placed on data and error analysis and effective written and oral communication of the final project. Career preparedness will also be addressed. 2SH Capstone Prerequisite: PHYS 551.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
2

Political Science Department

Faculty

Nicholas J. Clark, Ph.D., Professor of Political Science, department head

Kirk A. Harris, Ph.D., Associate Professor of Political Science

Andrea M. Lopez, Ph.D., Associate Professor of Political Science

Rolfe D. Peterson, Ph.D., Associate Professor of Political Science

Janice Clark, Ph.D., Assistant Professor of Political Science

Alison H. Merrill, Ph.D., Assistant Professor of Political Science

Programs

International Relations Minor

About the Program

Program Title
International Relations Minor

Program Code
MINR.INTR

Program Description
International relations is the study of interactions among countries. It explores countries' foreign policy, interstate trade, cooperation and war. An international relations minor is a strong complement to a number of fields, particularly for students who wish to pursue international study or business.

Double-counting Restriction
Students may not attain an international relations minor if they have a political science major or minor.

Program Requirements

Requirements
The minor requires 24 semester hours with grades of C- or better and at least a 2.00 GPA in the minor. Required courses include POLI-121 Comparative Government and Politics, POLI-131 International Relations, and 12 semester hours from the following courses: POLI-321 European Union; POLI-331 American Foreign Policy; POLI-334 International Organizations and Law; POLI-335 War and Politics; POLI-338 International Political Economy; or other approved courses. Students must also take one other four-semester-hour comparative politics course.

Political Science Minor

About the Program

Program Title
Political Science Minor

Program Code
MINR.POLI

Program Requirements

Requirements
A political science minor complements many other majors. The minor requires 24 semester hours with grades of C- or better and at least a 2.00 GPA in the minor. Required courses include POLI-111, POLI-121, and POLI-131. At least 4 of the 24 semester hours must be at the 300-level or above.

Political Science - Secondary Education (BA)

About the Program

Program Title
Political Science - Secondary Education (BA)

Degree
Bachelor of Arts

Program Code
POLI.ED.BA

Program Requirements

Requirements
In addition to the Education course requirements listed below, political science secondary education students complete the regular political science major with one change in the requirements: rather than taking 24 semester hours of departmental electives, secondary education students take 20 semester hours of departmental electives. In addition, secondary education political science students must complete certification in either social studies or citizenship.

The requirements for certification in social studies are:

EDUC-425 Methods of Curriculum Instruction and Assessment in Teaching Social Studies

SOCI-101 Principles of Sociology

ANTH-162 Introduction to Anthropology

ECON-105 Elements of Economics

PSYC-101 Principles of Psychology

HIST-322 Pennsylvania History or HIST-324 Pennsylvania's Pasts and Their Publics

One course in U. S. history: HIST-111, HIST-112 or HIST-115

One course in European history: HIST-131 or HIST-132

One course in non-Western history: HIST-151, HIST-152, HIST-171, HIST-172, HIST-180, or HIST-181

The requirements for certification in citizenship are:

EDUC-427 Methods of Curriculum, Instruction, and Assessment in Teaching Citizenship

ANTH-162 Introduction to Anthropology

ECON-105 Elements of Economics

HIST-322 Pennsylvania History or HIST-324 Pennsylvania's Pasts and Their Publics

One course in U. S. history: HIST-111, HIST-112 or HIST-115

One course in European history: HIST-131 or HIST-132)

One course in non-Western history: HIST-151, HIST-152, HIST-171, HIST-172, HIST-180, or HIST-181

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Political Science (BA)

About the Program

Program Title
Political Science (BA)

Degree
Bachelor of Arts

Program Code
POLISCI.BA

Program Description
Political Science

Learning Goals
Students in Political Science are expected to graduate with an understanding of the major theories and debates in American, International, and Comparative politics and with the ability to compare and assess those theories critically. To do so, students will strengthen their understanding of major facts and concepts underlying each of the three fields. Students will recognize the diversity of populations and societies within the United States and globally, as well as the political, social and economic effects of different categories of diversity. Students will develop competency in conducting scholarly research, including the ability to critically read scholarly work and to perform their own research utilizing both quantitative and qualitative methodologies.

Departmental honors requirements
The departmental honors program encourages and commends outstanding academic work in political science. To graduate with departmental honors, political science majors must do the following:
• Maintain a minimum GPA of 3.50 in the department and 3.25 overall,
• Request admission to the program at the beginning of their senior seminar, and
• Complete and publicly present and defend an honors-quality project in their senior year

Pi Sigma Alpha

Students who satisfy membership requirements may be invited to join the campus chapter of this national honor society in political science.

Program Requirements

Requirements
Majors take 48 semester hours in political science, all with grades of C- or better and at least a 2.00 political science GPA. Twenty-four semester hours of electives are selected with faculty advisor guidance (these may include two hours of internship credit); 16 of these semester hours must be at the 300-level or higher.

4 POLI-111 American Government and Politics

4 POLI-121 Comparative Government and Politics

4 POLI-131 International Relations

4 POLI-205 Research Methods I

4 POLI-305 Research Methods II

4 POLI-501 Senior Seminar

24 hours of electives selected with faculty advisor guidance (may include two hours of internship credit); 16 of these semester hours must be at the 300-level or higher.

Courses

LGST505 - Internship in Legal Studies

Course Details

Subject Code	Course Number	Department(s)
LGST	505	Political Science

Course Title
Internship in Legal Studies

Course Description
Practical experience in a supervised work program in a legal setting. This may include work in a law office, the office of a district attorney or public defender, in a court program, or work for a judge. The student must obtain approval from the Cooridinator of the legal studies program before beginning the internship. The faculty intern advisor will be chosen in consultation with the legal studies coordinator. To register for the internship, a student must be a declared legal studies minor, have junior or senior standing, and have completed at least two of the three required courses for the minor (ACCT-210, POLI-215, and either SOCI-255, SOCI-350, or SOCI-405). Only one internship may be counted toward the minor. 2 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
2

POLI111 - American Government & Politics

Course Details

Subject Code	Course Number	Department(s)
POLI	111	Political Science

Course Title
American Government & Politics

Course Description
An introductory course covering the major institutions and processes of American government and politics, with a focus on the Constitution, mass political behavior, and the decision-making of elected officials. 4 SH. CC: Diversity Intensive, Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

POLI121 - Comparative Government and Politics

Course Details

Subject Code	Course Number	Department(s)
POLI	121	Political Science

Course Title
Comparative Government and Politics

Course Description
Surveys the political systems, ideologies and socio-economic policies and issues in various countries and regions of the world. 4 SH. CC: Diversity, Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN), Diversity (DVERS)

Semester Hours

Semester Hours:
4

POLI131 - International Relations

Course Details

Subject Code	Course Number	Department(s)
POLI	131	Political Science

Course Title
International Relations

Course Description
Examines state behavior in the international system in light of countries' abilities and limitations. Causes of state action, leaders' decision making, and the role of power are discussed. Explores why states go to war, the role of the United Nations, the benefits and costs of free trade, and the effects of the environmental and human rights movements. Case studies and current events are used to illustrate theories and provide a framework for discussion. 4 SH. CC: Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

POLI150 - Career Explorations in Public Servic

Course Details

Subject Code	Course Number	Department(s)
POLI	150	Political Science

Course Title
Career Explorations in Public Servic

Course Description
This class explores different careers in public service, including jobs that are connected with Political Science, Public Policy, International Studies, Legal Studies, and Criminal Justice. The course activities include identifying job search resources, developing application materials, participating in simulated interviews, and creating a jobs portfolio. All students are assigned an alumni mentor who offers advice on the process. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

POLI202 - Topics in Government and Politics

Course Details

Subject Code	Course Number	Department(s)
POLI	202	Political Science

Course Title
Topics in Government and Politics

Course Description
Examines selected topics or problems in American government or comparative government, international politics, or political thought. May be repeated for credit if topic is different. 2 or 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

POLI205 - Research Methods I

Course Details

Subject Code	Course Number	Department(s)
POLI	205	Political Science

Course Title
Research Methods I

Course Description
Introduces students to the social science research process and common techniques of quantitative and qualitative data analysis. Topics include the development of theory, measurement, data collection and analysis, and research ethics. Requirements include compiling a literature review and using statistical software to conduct data analysis. Prerequisites: students must be Political Science, Public Policy, International Studies, Legal Studies, Criminal Justice, Data Science, or Professional and Civic Writing majors. 4 SH. CC: Analytical Thought, Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

POLI212 - Introduction to Public Policy

Course Details

Subject Code	Course Number	Department(s)
POLI	212	Political Science

Course Title
Introduction to Public Policy

Course Description
"Laws are like sausages, it is better not to see them being made", a quote often attributed to Prince Otto von Bismarck. Against this advice, this course focuses on understanding how laws are made. We will examine the policy-making process in the United States and, to a lesser extent, in other countries. Who sets the agenda adopted by politicians and policy-makers? What role(s) are played by private actors in the policy-making process? What factors help or hinder the process of implementing policies? Students will consider all of these questions and focus in depth on a number of current policy debates, including immigration policy, environmental policy, and education policy. This course is intended to provide students with an understanding of the theories explaining how policies are shaped by the political process and a familiarity with the practical tools used by policy-makers to develop and enforce the rules, policies, and laws that we all must follow. 4 SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

POLI215 - Law and Politics

Course Details

Subject Code
POLI

Course Number
215

Department(s)
Political Science

Course Title
Law and Politics

Course Description
Examines the law and the legal system in the United States, assessing the possibilities and limitations of the law. Studies the political basis of the law and critiques of the American legal system. Discusses the major players in the legal system, including lawyers, judges, and juries. Course culminates with a mock trial. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI220 - Democracy in Action!

Course Details

Subject Code
POLI

Course Number
220

Department(s)
Political Science

Course Title
Democracy in Action!

Course Description
This course examines questions related to the effectiveness and efficacy of democratic forms of governance in serving the people, such as who should have a role in decision-making and whether most citizens are equipped to participate in decision-making. In considering such questions, this course looks to both ancient and modern democratic theorists and analyses politics in both the ancient and post-modern worlds. The course relies heavily on historical and political simulations, such as those that are part of the Reacting to the Past series. The course is intended to invest students in democratic processes by asking them to consider fundamental questions about democracy while acting as democratic citizens. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

POLI226 - Soviet and Russian Politics

Course Details

Subject Code
POLI

Course Number
226

Department(s)
Political Science

Course Title
Soviet and Russian Politics

Course Description
Looks at Russian and Soviet politics and foreign policy. The Soviet Union is examined, with particular emphasis on the policies of Gorbachev and the 1991 disintegration of the U.S.S.R. The post-Soviet period is also studied, especially the challenges of democratization and of moving toward a market economy. While primary attention is paid to the situation in Russia, issues in the other former Soviet republics and Eastern Europe will also be discussed. Same as HIST-226. 4 SH. CC: Historical Perspectives

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

POLI300 - Seminar

Course Details

Subject Code
POLI

Course Number
300

Department(s)
Political Science

Course Title
Seminar

Course Description
Detailed research and in-depth discussion on a selected topic. May be repeated for credit. 2 or 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

POLI305 - Research Methods II

Course Details

Subject Code	Course Number	Department(s)
POLI	305	Political Science

Course Title
Research Methods II

Course Description
This course is an advanced undergraduate course in statistical methods for political research. It covers statistical theory, techniques, and applications of regression analysis in political science, focusing on using statistical methods and statistical software to estimate and test causal relationships. The first part of the course demonstrates how to evaluate arguments and hypotheses statistically through simple and multiple regression analysis. Basic materials include estimation of parameters in bivariate and multivariate regression, hypothesis testing in regression analysis, statistical properties of OLS estimator, assumption violations, and their diagnosis and corrections in practice. The second part of the course introduces more advanced topics such as limited dependent variable and panel data models and focuses on helping students finish the replication term project. Prerequisite: Junior standing and completion of POLI-205. 4 SH. CC: Analytical Thought

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

POLI310 - Public Opinion & Political Psy

Course Details

Subject Code	Course Number	Department(s)
POLI	310	Political Science

Course Title
Public Opinion & Political Psy

Course Description
This course examines the psychological dimensions of politics, with a particular focus on how citizens make sense of their political surroundings and how their understandings of the political world are linked to their political beliefs and behaviors. Topics include the effects of personality, the role of emotion and reason, the nature of mass decision-making, and the impact of the media on other sources of information. Prerequisite: Sophomore standing. POLI-111 is recommended but not required. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

POLI311 - Media and Politics

Course Details

Subject Code	Course Number	Department(s)
POLI	311	Political Science

Course Title
Media and Politics

Course Description
Media and Politics explores how political science, communications, and media studies intersect to help us understand politics today. Encompassing the history, regulation, and expansion of mass media in American life, this course examines the impact of media has on political communication, political process, citizen engagement, governing, and our individual connection to the political world. Prerequisite: Sophomore standing. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI312 - Elections and Voting Behavior

Course Details

Subject Code	Course Number	Department(s)
POLI	312	Political Science

Course Title
Elections and Voting Behavior

Course Description
This course examines two main questions about political behavior in the American public: why do people participate in politics and why do they vote the way they do? Emphasizes the diverse nature of the American electorate and how decisions are shaped by geographic and demographic factors. Also discusses normative issues associated with voting rights, political knowledge in the electorate, and polarization in American politics. There are no prerequisites for this course, but POLI-111 is recommended. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

POLI316 - The American Presidency

Course Details

Subject Code	Course Number	Department(s)
POLI	316	Political Science

Course Title
The American Presidency

Course Description
An exploration of the power of the American presidency as it has developed over time. Studies presidential authority, the limitations on presidential power, and the presidency's impact on public policy in the United States. Explores the interplay between individual presidents and the institution of the presidency. Topics covered include the presidential selection process; the relationship between the President and the Congress, "the bureaucracy," and the courts. There are no prerequisites; however, POLI-111 is recommended. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

POLI317 - The U. S. Congress

Course Details

Subject Code	Course Number	Department(s)
POLI	317	Political Science

Course Title
The U. S. Congress

Course Description
Examines the U. S. Congress as an institution, its responsiveness to public opinion, its relations with other branches of government, and its impact on public policy. Topics include congressional elections, the quality of representation, the internal working of the House and Senate, and the comparison of Congress with state legislatures. There are no prerequisites for this course, but POLI-111 is recommended. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI320 - African Politics

Course Details

Subject Code	Course Number	Department(s)
POLI	320	Political Science

Course Title
African Politics

Course Description
This course looks at the development of African states from the pre-colonial period to the present day and analyzes contemporary issues characteristic of political life in Sub-Saharan Africa. This includes the study of conflict, development, ethnic politics, and democratization. In addition to work describing politics on the continent, students are also introduced to a set of conceptual tools and sources of data that allow them to study African politics. There are no prerequisites for the course although POLI-121 is recommended. 4 SH. CC: Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

POLI321 - European Union

Course Details

Subject Code	Course Number	Department(s)
POLI	321	Political Science

Course Title
European Union

Course Description
Examines the post-World War II development, institutional structure, and policies of the European Union and its predecessors in the movement toward European integration, with special emphasis on the current situation. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI322 - Politics of Developing Nations

Course Details

Subject Code	Course Number	Department(s)
POLI	322	Political Science

Course Title
Politics of Developing Nations

Course Description
"Developing nations" and "developing world" are widely used terms but their meaning is ambiguous. Where are these nations? How are "developing" countries different from "developed" ones? And just what does it mean for a country to "develop?" This class addresses these questions. Broadly speaking, it focuses on three big themes: democracy, conflict, and economic change. The course looks at how these themes help interpret what happened in the second half of the 20th century and first decades of the 21st century in Latin America, Africa, the Middle East, and South and Southeast Asia. There are no prerequisites for the course although POLI-121 is recommended. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI324 - Democratization

Course Details

Subject Code	Course Number	Department(s)
POLI	324	Political Science

Course Title
Democratization

Course Description
This course introduces students to the study of democratization, including theories about why and when non-democratic states are more likely to undergo a transition toward democracy. Much of the discussion focuses on countries undergoing such transitions at the end of the 20th century and beginning of the 21st century. The course also examines how political scientists define and measure democracy and the conditions necessary for countries to sustain such transitions and consolidate as democracies. 4 SH. CC: Social Interactions

Course Types
Standard (STAND), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

POLI331 - American Foreign Policy

Course Details

Subject Code	Course Number	Department(s)
POLI	331	Political Science

Course Title
American Foreign Policy

Course Description
Studies the formation and implementation of U.S. foreign policy. Focuses on both the role of the U.S. in the post-World War II era and current foreign and security policy issues. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI334 - International Organizations and Law

Course Details

Subject Code	Course Number	Department(s)
POLI	334	Political Science

Course Title
International Organizations and Law

Course Description
A study of the ways of managing the issues that arise from increasing interdependence among nation-states. The course explores the consequences of the growth of international organizations and the proliferation of treaties in areas of security; economics; the environment; and political, social, and human rights. Primary attention is devoted to international governmental organizations, especially the United Nations and the World Court, but international non-governmental organizations (e.g. Amnesty International and Greenpeace) are also considered. There are no prerequisites; however, POLI-131 is recommended. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

POLI335 - War and Politics

Course Details

Subject Code	Course Number	Department(s)
POLI	335	Political Science

Course Title
War and Politics

Course Description
Analyzes issues of war and conflict in the international system, largely from a theoretical perspective. Students examine the questions of why states go to war, how wars can be prevented, how states fight wars, and how such conflicts end. Case studies of wars, including World War II and the current wars in Iraq and Afghanistan, will be studied. Arms control, terrorism, and peacekeeping are also discussed. There are no prerequisites; however, POLI-131 is recommended. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI336 - Rise of China & World Politics

Course Details

Subject Code	Course Number	Department(s)
POLI	336	Political Science

Course Title
Rise of China & World Politics

Course Description
China is rising. With nearly 1.4 billion people, it is the largest country in the world. Its economy has grown precipitously over the last thirty years and, by some measures, is larger than that of the United States. What does this mean for world politics? For the likelihood of war? For the continuance of the US-created liberal world order and issues like human rights and free trade? This course explores these questions, looking through the lens of international relations theories and China's history and current politics. There are no prerequisites; however, POLI-131 is recommended. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI338 - International Political Economy

Course Details

Subject Code	Course Number	Department(s)
POLI	338	Political Science

Course Title
International Political Economy

Course Description
Examines issues of political interaction with economic forces at the national, international and global levels. Topics studied include: economic systems, international trade and finance, the European Union, NAFTA, CAFTA, OPEC, multinational corporations, economic development, poverty, inequality and global environmental issues. Same as ECON-338. Prerequisites: Sophomore standing; ECON-201 or ECON-105 or instructor's permission. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Public Policy Major (PPOL)

Semester Hours

Semester Hours:
4

POLI351 - Public Administration

Course Details

Subject Code	Course Number	Department(s)
POLI	351	Political Science

Course Title
Public Administration

Course Description
The course will examine how rules, regulations, policies, court decisions and laws are actually implemented by what is often referred to as the bureaucracy or the administrative state. In that pursuit, students will become familiar with the origins and composition of the bureaucracy, with organizational structures that characterize bureaucratic bodies, and with theories on how to manage and finance administrative functions. The purpose of the course is to offer both theoretical foundations for understanding the practice of public administration and to prepare students who might be interested in engaging in public administration careers. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI352 - Environmental Policy

Course Details

Subject Code	Course Number	Department(s)
POLI	352	Political Science

Course Title
Environmental Policy

Course Description
The course will examine the political and policy-making environment, including the relevant institutions and actors, surrounding the creation and implementation of environmental policies. Students will learn the historical background of environmental policy, the different objectives to be achieved through environmental regulation, the various tools and approaches for achieving those objectives, and some of the current controversies that exist in environmental policy today. The course will also explore differences between how elected leaders, bureaucrats and private actors influence the policy process. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI353 - Education Policy

Course Details

Subject Code	Course Number	Department(s)
POLI	353	Political Science

Course Title
Education Policy

Course Description
This course examines contemporary issues and challenges in public education. It explores the history of education in the United States and discusses objectives behind creating a public school system. Theories and concepts related to the policymaking process are explored, and resulting policies are analysis and contextualize within the field of education. Finally, the course investigates recent education reforms and, where possible, seeks to analyze the consequences of these reforms. Same as EDUC-530. Prerequisites: EDUC-101, junior or senior standing. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

POLI354 - Healthcare Policy

Course Details

Subject Code	Course Number	Department(s)
POLI	354	Political Science

Course Title
Healthcare Policy

Course Description
This course examines the state of healthcare policy in the United States, focusing primarily on policies that govern the provision and financing of healthcare. The course especially focuses on public programs designed to subsidize healthcare for select populations, including Medicare, Medicaid, and the Affordable Care Act. The course looks at the different political, economic, cultural, and social forces that shape the development of healthcare and the implications of different policy choices. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

POLI355 - Non-Profit Management

Course Details

Subject Code	Course Number	Department(s)
POLI	355	Political Science

Course Title
Non-Profit Management

Course Description
This is an introductory survey of the nature and function of non-profit organization, including basic legal requirements affecting non-profits, theories and practices for establishing and managing non-profit organizations, designing and assessing operational structures for non-profit organizations and strategies for inter-organizational relationships. Same as MGMT-290. 4 SH.

Semester Hours

Semester Hours:
4

POLI411 - Constitutional Law

Course Details

Subject Code
POLI

Course Number
411

Department(s)
Political Science

Course Title
Constitutional Law

Course Description
Examines the U.S. Supreme Court with an emphasis on its major decisions in questions of judicial review, federalism, separation of powers, interstate commerce, state police powers and substantive due process. Emphasizes the Court's political role and judicial decision making. Prerequisite: Junior standing. POLI-111 is recommended. 4 SH. CC: Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

POLI412 - Civil Liberties

Course Details

Subject Code
POLI

Course Number
412

Department(s)
Political Science

Course Title
Civil Liberties

Course Description
Examines significant Supreme Court decisions concerning the protection of liberty and equality. Topics covered include freedom of speech and press, church-state relations, right to privacy, criminal procedure, and racial and gender discrimination. Prerequisite: Junior or senior standing. POLI-111 is recommended. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

POLI501 - Senior Seminar

Course Details

Subject Code
POLI

Course Number
501

Department(s)
Political Science

Course Title
Senior Seminar

Course Description
A capstone course for political science majors. Students research, write and present a senior thesis on an approved topic and participate actively in discussions. Required for all senior majors. Prerequisites: POLI-205 and senior standing. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

POLI503 - Independent Research

Course Details

Subject Code
POLI

Course Number
503

Department(s)
Political Science

Course Title
Independent Research

Course Description
A major research project on a selected political science topic. Prerequisites: Junior or senior standing and permission and arrangement with a department instructor. May be repeated for credit. 2 or 4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

POLI504 - Independent Study

Course Details

Subject Code	Course Number	Department(s)
POLI	504	Political Science

Course Title
Independent Study

Course Description
Individualized academic work for qualified students under faculty direction. Usually studies special topics not covered in regularly offered courses. 1-4 SH.

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

POLI505 - Internship in Government and Politics

Course Details

Subject Code	Course Number	Department(s)
POLI	505	Political Science

Course Title
Internship in Government and Politics

Course Description
Practical experience in a supervised work program. May be for a local, state, or federal government agency, legislative body, political party, legal office or other organization with substantial government-related responsibilities. Only two internship credits may apply to the major requirements. Prerequisites: Junior or senior standing and department's permission. 2 or 4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

Psychology Department

Faculty

Helen Kiso, Ph.D., Associate Professor of Psychology, department head

James Briggs, Ph.D., Professor of Psychology

Jennifer Asmuth, Ph.D., Associate Professor of Psychology

Samuel Day, Ph.D., Associate Professor of Psychology

Erin Smith, Ph.D., Associate Professor of Psychology

W. John Monopoli, Ph.D., Assistant Professor of Psychology

Stephen H. Robertson, Ph.D., Assistant Professor of Psychology

Nick Ungson, Ph.D., Assistant Professor of Psychology

Annie Wegrzyn, Ph.D., Assistant Professor of Psychology

Madelyn Church, Visiting Assistant Professor of Psychology

Programs

Psychology Minor

About the Program

Program Title
Psychology Minor

Program Code
MINR.PSYC

Double-counting Restriction
Minors may not double count more than 8 semester hours (SH) with another major or minor.

Program Requirements

Requirements
The minor is designed to acquaint students with important areas in the field while offering flexible options based on their career goals. Students consult with a psychology department advisor to select minor courses. The minor requires 24 semester hours in psychology with a grade of C- or better and a minimum 2.0 grade point average in their psychology classes. Required courses include PSYC-101 Principles of Psychology, 12 semester hours at the 200-level (only one of which may be from the developmental psychology sequence), and eight semester hours in courses numbered 300 or above. Psychology laboratory courses may be applied to the minor. Substitution of 300-level courses for 200-level courses is possible with permission of the minor advisor. Students may not apply the following courses to the minor: PSYC-123 Statistics for the Behavioral Sciences; PSYC-421 Directed Research; PSYC-505 Research Apprenticeship; PSYC-525, 526 Independent Research; and PSYC-527, 528 Practicum.

Psychology (BA)

About the Program

Program Title
Psychology (BA)

Degree
Bachelor of Arts

Program Code
PSYCH.BA

Program Description
The department offers Bachelor of Arts and Bachelor of Science degree programs. Majors pursuing the Bachelor of Arts complete 45 semester hours in psychology with a grade of C- or better in courses counting toward the major and with at least a 2.00 psychology GPA. The department also recommends additional courses in other areas, depending on specific career goals.

Learning Goals
- Students will demonstrate familiarity with the key concepts, theoretical perspectives, empirical findings, applications, and overarching themes in psychology
- Students will understand and apply scientific reasoning to interpret psychological phenomena, including research design, data analysis, and interpretation, as well as use critical and creative thinking, skeptical inquiry, and innovative problem solving to investigate problems related to behavior and mental processes
- Students will respect and apply ethical standards to evaluate psychological science and practice, while developing and enhancing interpersonal relationships, and adopting values that build community at all levels (locally, nationally, and globally)
- Students will demonstrate effective communication in writing, presentations, and interactions with others for scientific and other purposes
- Students will apply psychological principles and skills to personal, social, and organizational issues and goals, and develop meaningful direction for life after graduation

Double-counting Restriction
Majors may not double count more than 16 semester hours (SH) with another major.

Departmental honors requirements
Award of departmental honors recognizes outstanding performance and dedication in the psychology major. To graduate with honors in psychology, students must do the following:
• Complete all the requirements for either the B.A. or B.S. in psychology.
• Have an overall cumulative GPA of 3.25 and a psychology GPA of 3.50,
• Score at least 80 percent on the comprehensive examination,
• Complete PSYC-525 Independent Research for two semester hours, and
• Present their independent research in an approved public forum.

Psi Chi

Students who meet the requisite standards will be invited to join the international psychology honor society.

Program Requirements

Requirements
Students complete the following required courses from each of six content areas:

16 Psychology Core (all are required)

PSYC-101 Principles of Psychology

PSYC-123 Statistics for the Behavioral Sciences

PSYC-223 Research Methods in Psychology

PSYC-421 Directed Research

4 Developmental Psychology (choose one of the following):

PSYC-237 Lifespan Development

PSYC-238 Childhood & Adolescence

PSYC-240 Adulthood & Aging

4 Interpersonal and Intrapersonal Psychology (choose one of the following):

PSYC-230 Social Psychology

PSYC-245 Personality

PSYC-246 Community Psychology

PSYC-320 Psychological Disorders

8 Fundamental Paradigms in Psychology (choose two of the following):

PSYC-340 Cognitive Psychology

PSYC-342 Behavioral Neuroscience

PSYC-344 Learning Processes

PSYC-346 Sensation and Perception

1 Laboratory Proficiency (choose one of the following):

PSYC-360 Laboratory in Behavioral Neuroscience

PSYC-361 Laboratory in Cognitive Psychology

PSYC-362 Laboratory in Learning Processes

PSYC-363 Laboratory in Sensation and Perception

12 Psychology Electives

12 hours of electives selected with faculty advisor guidance

Majors must also complete a comprehensive psychology examination during the junior or senior year. Questions cover courses in the psychology core, developmental psychology, interpersonal and intrapersonal psychology, and fundamental paradigms in psychology content areas but not courses in the laboratory proficiency area. Students have up to five opportunities to take the comprehensive examination; only the highest score is recorded on the transcript. Performance on the comprehensive examination is reported on the transcript as high pass, pass or fail.

Psychology (BS)

About the Program

Program Title
Psychology (BS)

Degree
Bachelor of Science

Program Code
PSYCH.BS

Program Description
The department offers Bachelor of Arts and Bachelor of Science degree programs. Majors pursuing the Bachelor of Science complete 53 semester hours with a grade of C- or better in courses counting toward the major and with at least a 2.00 psychology GPA. The department also recommends additional courses in other areas, depending on specific career goals.

Learning Goals
- Students will demonstrate familiarity with the key concepts, theoretical perspectives, empirical findings, applications, and overarching themes in psychology
- Students will understand and apply scientific reasoning to interpret psychological phenomena, including research design, data analysis, and interpretation, as well as use critical and creative thinking, skeptical inquiry, and innovative problem solving to investigate problems related to behavior and mental processes
- Students will respect and apply ethical standards to evaluate psychological science and practice, while developing and enhancing interpersonal relationships, and adopting values that build community at all levels (locally, nationally, and globally)
- Students will demonstrate effective communication in writing, presentations, and interactions with others for scientific and other purposes
- Students will apply psychological principles and skills to personal, social, and organizational issues and goals, and develop meaningful direction for life after graduation

Double-counting Restriction
Majors may not double count more than 16 semester hours (SH) with another major.

Departmental honors requirements
Award of departmental honors recognizes outstanding performance and dedication in the psychology major. To graduate with honors in psychology, students must do the following:
• Complete all the requirements for either the B.A. or B.S. in psychology.
• Have an overall cumulative GPA of 3.25 and a psychology GPA of 3.50,
• Score at least 80 percent on the comprehensive examination,
• Complete PSYC-525 Independent Research for two semester hours, and
• Present their independent research in an approved public forum.

Psi Chi

Students who meet the requisite standards will be invited to join the international psychology honor society.

Program Requirements

Requirements
Students complete the following required courses from each of six content areas:

16 Psychology Core (all are required)

PSYC-101 Principles of Psychology

PSYC-123 Statistics for the Behavioral Sciences

PSYC-223 Research Methods in Psychology

PSYC-421 Directed Research

4 Developmental Psychology (choose one of the following):

PSYC-237 Lifespan Development

PSYC-238 Childhood & Adolescence

PSYC-240 Adulthood & Aging

4 Interpersonal and Intrapersonal Psychology (choose one of the following):

PSYC-230 Social Psychology

PSYC-245 Personality

PSYC-246 Community Psychology

PSYC-320 Psychological Disorders

8 Fundamental Paradigms in Psychology (choose two of the following):

PSYC-340 Cognitive Psychology

PSYC-342 Behavioral Neuroscience

PSYC-344 Learning Processes

PSYC-346 Sensation and Perception

1 Laboratory Proficiency (choose one of the following):

PSYC-360 Laboratory in Behavioral Neuroscience

PSYC-361 Laboratory in Cognitive Psychology

PSYC-362 Laboratory in Learning Processes

PSYC-363 Laboratory in Sensation and Perception

12 Psychology Electives

12 hours of electives selected with faculty advisor guidance

Additional Requirements for the Bachelor of Science Degree

Candidates for the Bachelor of Science degree will complete all requirements for the Bachelor of Arts in psychology. Bachelor of Science candidates also complete two additional courses (at least one of which must be selected from outside the psychology department) from among the following four options:

- A course (together with its corresponding lab) from the natural sciences (biology, chemistry, ecology, earth and environmental sciences, healthcare studies, or physics) that does not fulfill the student's Scientific Explanations requirement[1]
- Any four-semester-hour math course numbered 111 or higher (except statistics) that does not fulfill the student's Analytical Thought requirement[1]
- A third course from the fundamental paradigms content area of the psychology major[2]
- PSYC-323 Advanced Research Design and Analysis[2]

1. A student may take two of these courses to meet their B.S. course requirements

2. This course may also be counted as a psychology B.A. elective

Majors must also complete a comprehensive psychology examination during the junior or senior year. Questions cover courses in the psychology core, developmental psychology, interpersonal and intrapersonal psychology, and fundamental paradigms in psychology content areas but not courses in the laboratory proficiency area. Students have up to five opportunities to take the

comprehensive examination; only the highest score is recorded on the transcript. Performance on the comprehensive examination is reported on the transcript as high pass, pass or fail.

Psychology - Secondary Education (BA)

About the Program

Program Title
Psychology - Secondary Education (BA)

Degree
Bachelor of Arts

Program Code
PSYCH.ED.BA

Program Description
Psychology

Program Requirements

Requirements
In addition to completing the psychology major and the Education course requirements listed below, secondary education psychology students must also complete certification in social studies. The requirements for certification in social studies are:

EDUC- 425 Methods of Curriculum Instruction and Assessment in Teaching Social Studies

SOCI-101 Principles of Sociology

ANTH-162 Introduction to Anthropology

ECON-105 Elements of Economics

POLI-111 American Government and Politics

POLI-121 Comparative Government and Politics

HIST-322 Pennsylvania History or HIST- 324 Pennsylvania's Pasts and Their Publics

One course in U. S. history: HIST-111, HIST-112 or HIST-115

One course in European history: HIST-131 or HIST-132

One course in non-Western history: HIST-151, HIST-152, HIST-171, HIST-172, HIST-180, or HIST-181

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Psychology - Secondary Education (BS)

About the Program

Program Title
Psychology - Secondary Education (BS)

Degree
Bachelor of Science

Program Code
PSYCH.ED.BS

Program Description
Psychology

Program Requirements

Requirements
In addition to completing the psychology major and the Education course requirements listed below, secondary education psychology students must also complete certification in social studies. The requirements for certification in social studies are:

EDUC- 425 Methods of Curriculum Instruction and Assessment in Teaching Social Studies

SOCI-101 Principles of Sociology

ANTH-162 Introduction to Anthropology

ECON-105 Elements of Economics

POLI-111 American Government and Politics

POLI-121 Comparative Government and Politics

HIST-322 Pennsylvania History or HIST- 324 Pennsylvania's Pasts and Their Publics

One course in U. S. history: HIST-111, HIST-112 or HIST-115

One course in European history: HIST-131 or HIST-132

One course in non-Western history: HIST-151, HIST-152, HIST-171, HIST-172, HIST-180, or HIST-181

Secondary Education (7-12) Course Requirements

Candidates for a secondary teaching credential must major in an approved subject, meet all of the university's requirements for a bachelor's degree in that subject (see that department's section of the catalog) and complete the required courses listed below. All courses required for secondary teacher certification must be completed with a grade of C- or higher.

12 Coursework required by PDE for admission to the teacher education program:

3 semester hours of English composition (FYSE-100 or equivalent)

3 semester hours of English/American literature

6 semester hours of college-level mathematics

(Please note that PDE's requirement for 2 semester hours of math beyond Susquehanna's Central Curriculum may be met by any math course that has a math prefix and a course number of 100 or higher. It may be taken at any accredited institution of higher education and does not have to be accepted by Susquehanna as a transfer course.)

22 Education courses taken before the senior year:

2 EDUC-101 Introduction to Education and Society

4 EDUC-250 Educational Psychology

4 EDUC-260 Introduction to Special Education

4 EDUC-270 Instruction of Exceptional Children

4 EDUC-350 English Language Learners: Theory and Instruction

2 EDUC-380 Instructional Design

2 EDUC-330 Technology in Education

8 Education courses (taken during the fall semester of the senior year; the secondary methods block:

4 EDUC-479 Principles of Secondary Education

2 EDUC-421-427 Methods of Curriculum, Instruction and Management

2 EDUC-483 Differentiated Instruction and Classroom Management in Secondary Education

14 Student teaching courses (taken during the spring semester of the senior year; students may not enroll in other courses during this semester:

4 EDUC-501 Preparation and Planning

4 EDUC-502 Classroom Teaching

4 EDUC-503 Classroom Management

2 EDUC-600 Seminar

Courses

PSYC101 - Principles of Psychology

Course Details

Subject Code	Course Number	Department(s)
PSYC	101	Psychology

Course Title
Principles of Psychology

Course Description
Introduces principles and theories of behavior. Topics include biopsychology, sensation and perception, learning and memory, and physical and behavioral development. Also covers personality theory and assessment, social and cultural influences on behavior, and behavior pathology and treatment. 4 SH. CC: Social Interactions.

Course Types
Standard (STAND), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

PSYC123 - Statistics for the Behavioral Sciences

Course Details

Subject Code	Course Number	Department(s)
PSYC	123	Psychology

Course Title
Statistics for the Behavioral Sciences

Course Description
Methods in collecting, organizing, summarizing, analyzing and interpreting numerical data. Topics include organizing data in table and graph formats; measures of central tendency, dispersion, relative standing, and correlation; probability; and hypothesis testing. Students may earn credit for only one of the introductory statistics courses offered by the departments of Management, Psychology and Mathematical Sciences. 4 SH. CC: Analytical Thought.

Course Types
Standard (STAND), Analytical Thought (ANLYT)

Semester Hours

Semester Hours:
4

PSYC201 - Special Topics in Psychology

Course Details

Subject Code	Course Number	Department(s)
PSYC	201	Psychology

Course Title
Special Topics in Psychology

Course Description
Examines selected topics in psychology, depending on student and instructor interest. Course may be repeated for credit if topic is different. Prerequisite: PSYC-101. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

PSYC223 - Research Methods in Psychology

Course Details

Subject Code	Course Number	Department(s)
PSYC	223	Psychology

Course Title
Research Methods in Psychology

Course Description
Basic research methods. Covers naturalistic observation, surveys, and experimental and quasi-experimental designs. Lecture and lab. Prerequisites: Sophomore standing, PSYC-101, and a statistics class (PSYC-123, BIOL/ECOL-220 or MATH-180.) 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PSYC230 - Social Psychology

Course Details

Subject Code	Course Number	Department(s)
PSYC	230	Psychology

Course Title
Social Psychology

Course Description
The study of how individuals are influenced by social interactions. Examines social phenomena, such as attitude change, conformity, impression formation, stereotyping, aggression and helping. Emphasizes scientific methods and results, explanatory theories and applications to practical problems. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC232 - Environmental Psychology

Course Details

Subject Code	Course Number	Department(s)
PSYC	232	Psychology

Course Title
Environmental Psychology

Course Description
The study of how people interact with the environment - both natural and built. Topics covered include environmental perception and cognition; worldviews and attitudes toward nature; impact of environmental factors such as weather, on behavior and mood; reactions to natural and technological disasters; personal space, territoriality, and crowding; and psychological factors in urban planning and in residential, educational, and commercial design. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC237 - Lifespan Development

Course Details

Subject Code
PSYC

Course Number
237

Department(s)
Psychology

Course Title
Lifespan Development

Course Description
Human development during conception, infancy, toddlerhood, childhood, adolescence, adult years, and death. Emphasizes development and behavioral changes in the biological, cognitive and social cognitive domains. Includes physical, emotional, identity, relationships, and moral development. Examines culture as a context for development and behavior. Students may not receive credit for both PSYC-237 and PSYC-238. Prerequisite: PSYC-101. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC238 - Childhood and Adolescence

Course Details

Subject Code
PSYC

Course Number
238

Department(s)
Psychology

Course Title
Childhood and Adolescence

Course Description
Human development during conception, infancy, toddlerhood, childhood, and adolescence. Emphasizes development and behavioral changes in the biological, cognitive and social cognitive domains. Includes physical, cognitive, emotional, self-concept, pubertal, intellectual, and moral development. Examines culture as a context for development and behavior. Students may not receive credit for both PSYC 238 and PSYC 237. Prerequisite: PSYC-101. 4SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC240 - Adulthood and Aging

Course Details

Subject Code
PSYC

Course Number
240

Department(s)
Psychology

Course Title
Adulthood and Aging

Course Description
Human development from the adult years through death. Emphasizes development and behavioral changes in the biological, cognitive and social cognitive domains. Includes physical and hormonal changes, intelligence, emotions, communication, career and retirement issues, family changes, relationships and marriage, and death and dying. Examines culture as a context for development and behavior. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC242 - Health Psychology

Course Details

Subject Code
PSYC

Course Number
242

Department(s)
Psychology

Course Title
Health Psychology

Course Description
Reviews important topics in this field, from both the psychological and bio-medical perspective. Topics covered include stress and its management, health-related decision-making, chronic disease and the involvement of psychosocial factors in medical care settings. Emphasis is placed on evaluating the impact of these areas upon everyday life and in clinical settings. Prerequisite: PSYC-101 and sophomore standing. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

PSYC243 - Drugs, Society, and Behavior

Course Details

Subject Code	Course Number	Department(s)
PSYC	243	Psychology

Course Title
Drugs, Society, and Behavior

Course Description
Examines the physiological and psychological effects of a wide variety of legal and illegal drugs as well as patterns of drug use. Includes behavioral, pharmacological and neurological points of view. Stresses factual and unbiased information which is presented in a non-judgmental fashion. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND), Public Policy Major (PPOL)

Semester Hours

Semester Hours:
4

PSYC245 - Personality

Course Details

Subject Code	Course Number	Department(s)
PSYC	245	Psychology

Course Title
Personality

Course Description
Covers major theoretical perspectives on personality structure and development, with an emphasis on supporting research and practical applications. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC246 - Community Psychology

Course Details

Subject Code	Course Number	Department(s)
PSYC	246	Psychology

Course Title
Community Psychology

Course Description
Explores how social, cultural, and environmental factors impact psychological wellbeing for individuals and communities. Topics include ecological theories of human behavior; diversity; health promotion; community intervention and organizing; oppression and empowerment; and social change. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC253 - Careers in Psychology

Course Details

Subject Code	Course Number	Department(s)
PSYC	253	Psychology

Course Title
Careers in Psychology

Course Description
An exploration of the diverse career paths available within the field of psychology. Through guest lectures and career planning resources, students will explore the educational and professional requirements for various specialties, as well as transferable skills and current trends in the field. Prerequisite: PSYC-101. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

PSYC254 - Tools in Psychology

Course Details

Subject Code
PSYC

Course Number
254

Department(s)
Psychology

Course Title
Tools in Psychology

Course Description
An introduction to fundamental computer applications commonly used in the psychological sciences to collect, organize, analyze, and communicate data. Prerequisite: PSYC-101 and a statistics class (PSYC-123, BIOL/ECOL-220, MATH-108 or MATH-180). 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

PSYC320 - Psychological Disorders

Course Details

Subject Code
PSYC

Course Number
320

Department(s)
Psychology

Course Title
Psychological Disorders

Course Description
Examines the causes, symptoms and treatment of mental disorders. Also addresses theoretical perspectives, research methodology, the diagnostic process, assessment procedures, and ethical issues associated with the field. Prerequisite: PSYC-101 and sophomore standing. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC322 - Psychological Testing

Course Details

Subject Code
PSYC

Course Number
322

Department(s)
Psychology

Course Title
Psychological Testing

Course Description
Introduces the development, characteristics and use of psychological tests. Covers methods of constructing, administering and evaluating tests. Reviews tests of abilities, personality, interest and attitudes. Also explores technical problems and ethical issues common in psychological testing. Prerequisites: PSYC-101, PSYC-223, and either PSYC-123 or MATH-180. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC323 - Advanced Research Design/Analysis

Course Details

Subject Code
PSYC

Course Number
323

Department(s)
Psychology

Course Title
Advanced Research Design/Analysis

Course Description
Continues and expands topics introduced in PSYC-123 Statistics for Behavioral Sciences. Emphasizes the design and analysis of multifactor experiments and explores the theory and application of several analyses used in psychological research, including t-tests, ANOVA, linear regression, general linear modeling, and factor analysis. Prerequisites: PSYC-101, statistics, and PSYC-223. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC334 - Psychology of Gender

Course Details

Subject Code	Course Number	Department(s)
PSYC	334	Psychology

Course Title
Psychology of Gender

Course Description
Explores current theory and research in the development of gender and consequences of gender roles. Covers evolutionary, biological, psychoanalytic, cognitive, social learning, and cross-cultural perspectives on gender, as well as approaches that seek to understand interactions among these influences. Prerequisite: Sophomore standing and either PSYC-101 or SOCI-101. Same as WGST-334. 4 SH. CC: Diversity, Writing Intensive.

Course Types
Standard (STAND), Diversity (DVERS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PSYC340 - Cognitive Psychology

Course Details

Subject Code	Course Number	Department(s)
PSYC	340	Psychology

Course Title
Cognitive Psychology

Course Description
An examination of how the mind works through the mental process underlying attention, perception, memory, language, reasoning, and decision-making, on both behavioral and physiological levels. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC342 - Behavioral Neuroscience

Course Details

Subject Code	Course Number	Department(s)
PSYC	342	Psychology

Course Title
Behavioral Neuroscience

Course Description
Explores neurophysiological influences on behavior. Topics may include human communication, learning and memory, visual processing, ingestive behavior, sleep, emotion and stress, addiction, aggression, reproductive behavior, and neurological and neuropsychological disorders. Prerequisite: Sophomore standing and PSYC-101. 4 SH, CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

PSYC344 - Learning Processes

Course Details

Subject Code	Course Number	Department(s)
PSYC	344	Psychology

Course Title
Learning Processes

Course Description
Examines principles and theories of classical and instrumental conditioning, including the roles of contiguity and contingency, reinforcement, cognitive and behavioral models of classical conditioning and instrumental learning, and factors influencing learning. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC346 - Sensation and Perception

Course Details

Subject Code	Course Number	Department(s)
PSYC	346	Psychology

Course Title
Sensation and Perception

Course Description
Explores how individuals take in information from the environment and interpret it meaningfully. Focuses on the visual and auditory systems, but also covers olfaction, taste, and touch. Covers the anatomy of human sensory systems and the neural and cognitive processes that turn sensations into perceptions of the world. Prerequisite: PSYC-101. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

PSYC348 - Psycholinguistics

Course Details

Subject Code	Course Number	Department(s)
PSYC	348	Psychology

Course Title
Psycholinguistics

Course Description
Examines how humans learn, represent, comprehend, and produce language. Focuses on research methodology, language acquisition, comprehension and production, neural representation of language, and language disorders. Prerequisites: PSYC:101 and sophomore standing or permission of the instructor. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

PSYC350 - Psych, Culture, and Ethnicity

Course Details

Subject Code	Course Number	Department(s)
PSYC	350	Psychology

Course Title
Psych, Culture, and Ethnicity

Course Description
A critical examination of the role of culture in human development and behavior. Explores: (a) the universality and diversity of human biological, cognitive, social, and emotional development and behavior within and across racial, ethnic, and cultural groups, (b) the contexts in which multiple cultures intersect or interact with one another and the historical, institutional, and personal factors that influence or regulate these interactions, and (c) the theoretical and methodological approaches psychologists use to explore these issues. Prerequisite: Junior standing and either PSYC-101 or SOCI-101. 4 SH. CC: Diversity, Writing Intensive.

Course Types
Standard (STAND), Diversity (DVERS), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

PSYC360 - Behavioral Neuroscience Laboratory

Course Details

Subject Code	Course Number	Department(s)
PSYC	360	Psychology

Course Title
Behavioral Neuroscience Laboratory

Course Description
Using behavioral neuroscience methods and procedures to investigate action potential dynamics, neuroanatomy, visual processing, learning and memory processes, and emotion regulation. Prerequisite: PSYC-223, PSYC-342 to be taken concurrently or as a prerequisite. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

PSYC361 - Cognitive Psychology Laboratory

Course Details

Subject Code
PSYC

Course Number
361

Department(s)
Psychology

Course Title
Cognitive Psychology Laboratory

Course Description
Investigates cognitive phenomena including attention, memory, and problem-solving, using appropriate experimental methodology and techniques. Prerequisite: PSYC-223, PSYC-340 to be taken currently or as a prerequisite. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

PSYC362 - Learning Processes Laboratory

Course Details

Subject Code
PSYC

Course Number
362

Department(s)
Psychology

Course Title
Learning Processes Laboratory

Course Description
This course provides an experience with the experimental methods employed in the study of learning. The course utilizes laboratory techniques to examine the principles and theories of classical and instrumental conditioning. Prerequisite: PSYC-223, PSYC-344 to be taken concurrently or as a prerequisite. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

PSYC363 - Sensation and Perception Lab

Course Details

Subject Code
PSYC

Course Number
363

Department(s)
Psychology

Course Title
Sensation and Perception Lab

Course Description
Accompanies PSYC-346 Sensation and Perception. Provides direct experience with this topic area through participation in perception studies, collection and analysis of data, and reading and discussion of relevant source literature. Prerequisite: PSYC-223, PSYC-346 to be taken concurrently or as a prerequisite. 1 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

PSYC400 - Advanced Topics in Psychology

Course Details

Subject Code
PSYC

Course Number
400

Department(s)
Psychology

Course Title
Advanced Topics in Psychology

Course Description
Examines selected advanced topics in psychology, depending on student and instructor interest. Course may be repeated for credit if topic is different. Prerequisite: Any 200-level or higher psychology course and junior or senior standing. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

PSYC421 - Directed Research

Course Details

Subject Code
PSYC

Course Number
421

Department(s)
Psychology

Course Title
Directed Research

Course Description
Student/faculty collaborative research in the student's area of interest. Introduces the methodologies and problems of doing original research in psychology. Lecture and lab. Prerequisites: PSYC-223 and instructor's permission. 4 SH. Capstone. CC: Writing Intensive.

Course Types
Research (RSRCH), Writing Intensive (INWRT), Capstone (CAPS)

Semester Hours

Semester Hours:
4

PSYC450 - Theories of Psychotherapy

Course Details

Subject Code
PSYC

Course Number
450

Department(s)
Psychology

Course Title
Theories of Psychotherapy

Course Description
An introduction to professional psychotherapy and its major theoretical underpinnings. Includes basic helping skills, selected intervention techniques, issues in treating special client populations, and professional ethics. Prerequisites: PSYC-320 and junior standing. 4 SH. CC: Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

PSYC500 - Internship

Course Details

Subject Code
PSYC

Course Number
500

Department(s)
Psychology

Course Title
Internship

Course Description
Practical experience in an approved work setting. The student is responsible for arranging the internship and completing a learning contract with the faculty supervisor. May be repeated once for a maximum of 6 SH. 2-4 SH.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
2

Credit Hours Max:
4

PSYC505 - Research Apprenticeship

Course Details

Subject Code
PSYC

Course Number
505

Department(s)
Psychology

Course Title
Research Apprenticeship

Course Description
Provides student with the opportunity to collaborate on a faculty research project as part of a close mentoring relationship where students learn advanced research methods and data management in a one-on-one setting. Involves a commitment of 5 hours per week per SH of course credit. Open only to students who meet criteria set by supervisor and only when positions are available. May be taken multiple times to a total of 4 SH. Prerequisite: Faculty supervisor's permission. 1-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

PSYC510 - Independent Study

Course Details

Subject Code
PSYC

Course Number
510

Department(s)
Psychology

Course Title
Independent Study

Course Description
Provides an opportunity to work individually with the instructor for focused reading, study, and reflection about a particular topic area. Prerequisite: Instructor's permission. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

PSYC525 - Independent Research

Course Details

Subject Code
PSYC

Course Number
525

Department(s)
Psychology

Course Title
Independent Research

Course Description
Students complete an individual research project in their area of interest working closely with a faculty supervisor. Prerequisites: PSYC-421 and supervisor's permission. 2-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
2

PSYC526 - Independent Research

Course Details

Subject Code
PSYC

Course Number
526

Department(s)
Psychology

Course Title
Independent Research

Course Description
Students complete an individual research project in their area of interest, working closely with a faculty supervisor. Prerequisites: PSYC-421 and supervisor's permission. 2-4 SH.

Course Types
Research (RSRCH)

Semester Hours

Semester Hours:
4

PSYC527 - Practicum

Course Details

Subject Code
PSYC

Course Number
527

Department(s)
Psychology

Course Title
Practicum

Course Description
Supervised field experience in student-selected applied settings. Includes related writing assignments. Prerequisites: Junior or senior standing, PSYC-320, PSYC-450, minimum 2.80 GPA, and instructor's permission. 4 SH.

Course Types
Practicum (PRACT)

Semester Hours

Semester Hours:
4

PSYC528 - Practicum

Course Details

Subject Code	Course Number	Department(s)
PSYC	528	Psychology

Course Title
Practicum

Course Description
Supervised field experience in student-selected applied settings. Includes related writing assignments. PSYC-527 and PSYC-528 may be taken consecutively or concurrently. Prerequisites: Junior or senior standing, PSYC-320, and PSYC-450, minimum 2.80 GPA, and instructor's permission. 4 SH.

Course Types
Practicum (PRACT)

Semester Hours

Semester Hours:
4

Public Policy Department

Faculty Coordinator

Nicholas J. Clark, Ph.D., Professor of Political Science

Programs

Public Policy Minor

About the Program

Program Title
Public Policy Minor

Program Code
MINR.PPOL

Double-counting Restriction
Students may not double count more than 8 SH between the minor and another major or minor degree program.

Program Requirements

Requirements
Students pursuing the public policy minor must complete 24 semester hours with a grade of C- or higher.

The minor is comprised of the following:

4 POLI-111 American Government and Politics

4 POLI-212 Introduction to Public Policy,

4 ECON-201 Principles of Macroeconomics or ECON-202 Principles of Microeconomics

4 ENGL-299 Professional and Civic Writing

4 POLI-355 Non-Profit Management or MGMT-360 Management and Organizational Behavior

4 Semester hours selected from the following courses:

4 POLI-300 Parties and Interest Groups

4 POLI-316 The American Presidency

4 POLI-317 The U. S. Congress

4 POLI-331 American Foreign Policy

4 POLI-351 Public Administration

4 POLI-352 Environmental Policy

4 POLI-353 Education Policy

4 POLI-354 Healthcare Policy

4 ECON-332 Public Finance

4 ECON-335 Economic Development

4 ECON-341 Economic Policy

4 CJUS-210 Crime Prevention and Policy

Public Policy (BA)

About the Program

Program Title
Public Policy (BA)

Degree
Bachelor of Arts

Program Code
PBPOL.BA

Program Description
The Bachelor of Arts in Public Policy is an interdisciplinary major that combines courses from a number of different disciplines so that students may obtain the knowledge necessary to analyze, explain, and contribute to the evolution of policies designed to serve the public. The curriculum allows students to learn about domestic policy, international/development policy, and public administration and to acquire the specialized expertise and skills required to work in different fields related to public policy and governance. The major is structured so that students develop the analytical and methodological skills necessary to identify the objectives behind different policies, understand the process by which policies are created, and evaluate the extent to which policies fulfill their objectives.

Learning Goals
- Students will develop the analytical and methodological tools necessary to study and explain the development and implementation of public policies
- Students will be able to identify the objectives motivating different public policies and to evaluate critically the extent to which a policy fulfills its objectives
- Students will possess factual knowledge relevant to a specific area of public policy (such as healthcare policy or development policy) and/or management of organizations focused on the policy process
- Students will obtain practical experience relevant to the creation and/or evaluation of public policy
- Students will frequently engage in discussion and debate related to current social, economic, cultural, and political issues, as well as possible solutions and strategies to address these issues

Double-counting Restriction
Students majoring in public policy may double-count a maximum of 12 semester hours toward another major or minor. The capstone requirement is fulfilled for majors who have already successfully completed an approved capstone requirement from another degree program.

Departmental honors requirements
The departmental honors program encourages and commends outstanding academic work in political science. To graduate with departmental honors, political science majors must do the following:
• Maintain a minimum GPA of 3.50 in the department and 3.25 overall,
• Request admission to the program at the beginning of their senior seminar, and
• Complete and publicly present and defend an honors-quality project in their senior year

Internships

Relevant practical experience is invaluable to being able to understand and critically evaluate the policy process. Such experience is also essential for our graduates to compete for policy-related positions in the private or public sphere or for admission into a relevant graduate program. As such, students are required to find and secure an internship focused on an area of public policy or public administration relevant to their track and area(s) of interest. Students may apply to receive 2 - 4 semester hours of course credit for this internship. The program advisor works with students to identify and apply for relevant internships.

Program Requirements

Requirements
Students must complete 44 semester hours, all with grades of C- or higher, as well as an internship experience. The following courses are required for the major.

4 POLI-111- American Government and Politics

4 POLI-212- Introduction to Policy

4 ECON-201- Principles of Macroeconomics

4 ECON-202- Principles of Microeconomics

4 POLI-205- Research Methods

4 ENGL-299- Professional and Civic Writing

4 POLI-355: Non-Profit Management or MGMT-360: Management and Organizational Behavior

4 POLI-501: Senior Seminar or INTD-501: Senior Seminar

Additionally, students must complete the internship requirement and three electives from the following list.

Public Policy Electives:

4 POLI-300 Parties and Interest Groups

4 POLI-316 The American Presidency

4 POLI-317 The U. S. Congress

4 POLI-331 American Foreign Policy

4 POLI-351 Public Administration

4 POLI-352 Environmental Policy

4 POLI-353 Education Policy

4 POLI-354 Healthcare Policy

4 ECON-332 Public Finance

4 ECON-335 Economic Development

4 ECON-341 Economic Policy

4 CJUS-210 Crime Prevention and Policy

Religious Studies Department

Faculty

Jeffrey K. Mann, Ph.D., Professor of Religious Studies, interim department head

Matthew L. Duperon, Ph.D., Associate Professor of Religious Studies

Jennifer Lehmann, Visiting Assistant Professor of Religious Studies

Programs

Church Music Minor

About the Program

Program Title
Church Music Minor

Program Code
MINR.CHMU

Program Description
The Minor in Church Music aims to capacitate students with a keen interest in using their musical talents in church ministry, either as clergy or as music directors. Through this minor, students will garner basic musical skills as well as knowledge of liturgical musical practices. The culmination of the program is a service-based project, where students apply their church music skills in a supervised internship either as an organist or director, assistant director for a church musical group (a church choir, hand-bell ensemble, or praise team) or in a liturgical leadership position (deacon of worship, worship committee member).

Students will choose and organize a service-based experience as an independent study at the end of the program. As an alternative, students may choose to use that Independent Study to prepare and take the Choir-Master Certificate exam or the Service Playing Certificate exam offered by the American Guild of Organists.

Double-counting Restriction
For students who are music majors, the maximum number of double-counting credits is up to 6SH from the required courses and up to 4 SH from the elective selections. For students who are Religious Studies majors, the maximum number of double-counting credits is up to 4 SH from the required courses and up to 4 SH from the elective selections.

Program Requirements

Requirements

12 Required Courses:

4 RELI-/MUSC-215 Music in Christian Rituals

4 RELI-/MUSC-353 The Practice of Church Music

2 MUSC-161 Theory I

2 MUSC-082 University Choir **or** MUSC-083 University Chorale (NOTE: each course is 1 SH, taken for a total of 2 SH)

12 Additional hours

At least 4 SH must be either Organ or Voice lessons: however, no more than 6 SH of lessons may count.

1 MUSC-003 Organ Lesson

2 MUSC-004 Organ Lesson

1 MUSC-009 Voice Lesson

1 MUSC-010 Voice Lesson

2 MUSC-163 Ear Training 1

2 MUSC-369 Beginning Conducting

4 RELI-103 The New Testament

4 RELI-201 The Hebrew Bible

4 RELI-313 Modern Christianities

Religious Studies Minor

About the Program

Program Title
Religious Studies Minor

Program Code
MINR.RELI

Double-counting Restriction
Students majoring in religious studies may double-count a maximum of 12 semester hours toward another major.

Program Requirements

Requirements
Students minoring in religious studies complete 20 semester hours in the discipline with grades of C- or better. Students consult with an assigned minor advisor to select both upper- and lower-level courses. Of the five courses, at least two must be at the 200-level or above.

Religious Studies (BA)

About the Program

Program Title
Religious Studies (BA)

Degree
Bachelor of Arts

Program Code
REL.BA

Program Description
The study of religion is fundamentally an interdisciplinary endeavor, involving a variety of intellectual approaches in the analysis of diverse expressions of religious phenomena and cultures around the world. Reflecting the methodological and substantive breadth of the field of religious studies, the religious studies major at Susquehanna University is designed to accomplish the following student learning goals:

Learning Goals
- To develop the ability to critically analyze primary religious texts
- To use various interpretative perspectives (literary, historical, theological, ideological, etc.) in deriving meaning from religious texts
- To engage with at least one non-Western religious tradition in historical and geographical context
- To think critically and cross-culturally about ethical questions in relationship to themselves, society and/or the world
- To engage critically with issues and problems in contemporary societies as they relate to religious thought and/or practice
- To conduct substantive research (finding, consulting and engaging both primary and secondary resources and making preliminary connections and conclusions from the same) and present this research in written form
- To reflect upon and assess work in critical and constructive ways by applying concepts, theories and methods within academic and professional contexts

Double-counting Restriction
Students majoring in religious studies may double-count a maximum of 12 semester hours toward another major.

Departmental honors requirements
The honors program in religious studies encourages and commends outstanding academic work. To graduate with departmental honors in religious studies, students must do the following:
• Complete requirements for the major,
• Have a cumulative GPA of at least 3.00 overall and at least 3.50 in religious studies, and
• Perform outstanding academic work in religious studies capstone.

Program Requirements

Requirements
Majors in religious studies complete at least 36 semester hours in the discipline with grades of C- or better. To ensure both breadth and depth of study, there is one compulsory course, and the remaining 32 semester hours must include at least one course from each of the four subject areas identified below. At least 20 of the 32 semester hours must be taken at the 200-level or higher. Topics courses and independent study courses may be given a subject area designation by the instructor in consultation with the department. The compulsory course does not count toward the subject area distribution requirement.

4 Compulsory Course for the Religious Studies Major:

RELI-101 Introduction to Religious Studies

16 Subject Area Courses

Must include at least one course from each of the four subject areas listed below: Primary Religious Texts, Ethics, Non-Western Religions and Contemporary issues in Religion

16 Elective Courses

Elective courses can be additional courses within the four subject areas or other courses identified below. At least 20 of the 32 semester hours taken to fulfill the subject area and elective requirements must be at the 200-level or above.

Primary Religious Texts

RELI-103 The New Testament

RELI-104 Ethics in Biblical Stories

RELI-201 The Hebrew Bible

RELI-203 The Historical Jesus

RELI-207 Women in the Biblical Tradition

RELI-300 The Book of Revelation and Zombie Apocalypses

Ethics

RELI-104 Ethics in Biblical Stories

RELI-107 Faiths and Values

RELI-115 Jewish Philosophy and Ethics

RELI-117 Introduction to Asian Religions

RELI-203 The Historical Jesus

RELI-208 Buddhism

RELI-235 Environmental Ethics

RELI-315 Being Awesome at Life

RELI-316 Daoism, Zen and Authenticity

RELI-318 Confucian Ethics

Non-Western Religions

RELI-105 World Religions

RELI-117 Introduction to Asian Religions

RELI-120 Introduction to Islam

RELI-208 Buddhism

RELI-225 Women in Religion

RELI-316 Daoism, Zen and Authenticity

RELI-318 Confucian Ethics

Contemporary Issues in Religion

RELI-107 Faiths and Values

RELI-113 Introduction to Judaism

RELI-208 Buddhism

RELI-220 Magic, Witchcraft and Religion

RELI-225 Women in Religion

RELI-235 Environmental Ethics

RELI-350 Science and Religion

RELI-360 Religious Fundamentalisms in the Modern World

Electives

RELI-209 The Bible and Archaeology

RELI-210 Philosophy of Religion

RELI-215 Music in Christian Rituals

RELI-309 Luther: Life and Thought

RELI-312 The Origins of Christianity

RELI-313 Modern Christianities

RELI-353 The Practice of Church Music

RELI-500 Capstone

Capstone Requirement

Students majoring in religious studies are expected to take the senior capstone requirement in the appropriate subject. A student with a double major may fulfill the university capstone requirement in a major outside of this department. Any student who elects to fulfill the capstone requirement in this manner must complete the religious studies major by successful completion of an additional four-semester-hour course, or the equivalent, in the relevant subject. Any student wishing to qualify for religious studies departmental honors must fulfill the appropriate capstone as provided by the Religious Studies Department in addition to any capstone requirements imposed in a second major.

The course description for the departmental capstone states that it is “to serve [students] as a culmination of all their studies, allowing them to address a particular topic, issue or thinker in religious studies through the lens of their total undergraduate education.” Religious studies majors are encouraged to develop capstone projects that also draw on knowledge and strengths they have acquired in declared minors. Primary oversight of such projects will rest with the appropriate faculty supervisor in religious studies, although students will also be expected to work with an appropriate advisor from their minor area(s) of study.

Courses

RELI101 - Introduction to Religious Studies

Course Details

Subject Code	Course Number	Department(s)
RELI	101	Religious Studies

Course Title
Introduction to Religious Studies

Course Description
Explores the human phenomenon of religion via the interdisciplinary perspectives and methods of religious studies. Seeks to gain understanding of a wide range of cross-cultural human religious experiences such as ritual, the sacred, the divine, religious community, religious ethical norms, mysticism, myth and doctrine. An emphasis on analysis of gender, power, privilege, and justice in religion. Provides a foundation for understanding religious studies as a discipline. 4 SH. CC: Diversity, Ethics.

Course Types
Standard (STAND), Diversity (DVERS), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

RELI103 - The New Testament

Course Details

Subject Code	Course Number	Department(s)
RELI	103	Religious Studies

Course Title
The New Testament

Course Description
An introduction to those texts identified as Christian scripture. Particular focus on the social, historical and religious contexts that helped shape this literature and the ways in which these texts witness to the early history of Christianity. 4 SH. CC: Literary Expression.

Course Types
Standard (STAND), Literary Expression (LITEX)

Semester Hours

Semester Hours:
4

RELI104 - Ethics in Biblical Stories

Course Details

Subject Code	Course Number	Department(s)
RELI	104	Religious Studies

Course Title
Ethics in Biblical Stories

Course Description
This course makes use of biblical stories in order to address ethical questions about human nature, the natural and social world, and the nature of good and evil. As we read the Bible's folktales, epics, legends, chronicles, and parables while examining their ethical worldview and teachings, we will also ask how and where we see parallels to these stories' plots, characters, themes, and moral lessons in the world today. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

RELI105 - World Religions

Course Details

Subject Code	Course Number	Department(s)
RELI	105	Religious Studies

Course Title
World Religions

Course Description
Examines both historical and contemporary aspects of the world's major religions. 4 SH. CC: Diversity Intensive, Ethics Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

RELI107 - Faiths and Values

Course Details

Subject Code	Course Number	Department(s)
RELI	107	Religious Studies

Course Title
Faiths and Values

Course Description
Examines the contemporary personal and social consequences of religiously based values from a multicultural perspective. 4 SH. CC: Diversity, Ethics.

Course Types
Standard (STAND), Diversity (DVERS), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

RELI113 - Introduction to Judaism

Course Details

Subject Code	Course Number	Department(s)
RELI	113	Religious Studies

Course Title
Introduction to Judaism

Course Description
Examines Judaism as it has been defined and developed as a way of thought and a way of life. The course focuses on central religious concepts, holidays, life-cycle ceremonies, and various forms of religious expression, including prayer and ritual, in order to help students understand what it means, and has meant, to be a Jew. Same as JWST-113. 4 SH. CC: Diversity.

Course Types
Standard (STAND), Diversity (DVERS)

Semester Hours

Semester Hours:
4

RELI115 - Jewish Philosophy and Ethics

Course Details

Subject Code	Course Number	Department(s)
RELI	115	Religious Studies

Course Title
Jewish Philosophy and Ethics

Course Description
Explores issues and problems related to the philosophical and ethical literature of the Jews, from the Talmudic period through the present. Topics vary and may include classical Jewish texts, mysticism, continental and poststructural Jewish philosophy, morality, and social practice, women and gender, and Judaism in America. The course encourages students to recognize in Jewish texts reflections of Judaism that are diverse and at times antithetical to one another. Same as JWST-115. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

RELI120 - Introduction to Islam

Course Details

Subject Code	Course Number	Department(s)
RELI	120	Religious Studies

Course Title
Introduction to Islam

Course Description
Examines the traditions, history, and main social and legal institutions of Islam. Besides considering the basic tenets and texts of the religion, this course focuses on the variety of ways in which Muslims and non-Muslims have understood and interpreted Islam. Specific topic areas addressed include the life of the Prophet of Islam, Islamic pre-modern, modern and contemporary history, the Quran, the Islamic concept of God and society, the role of women, and Islamic governments and movements. 4 SH. CC: Ethics, Diversity.

Course Types
Standard (STAND), Ethics (ETHCS), Diversity (DVERS)

Semester Hours

Semester Hours:
4

RELI117 - Introduction to Asian Religions

Course Details

Subject Code	Course Number	Department(s)
RELI	117	Religious Studies

Course Title
Introduction to Asian Religions

Course Description
This course provides students with an introduction to various religious traditions in Asia. It will provide an overview of the history, beliefs, and practices of Hinduism, Buddhism, Confucianism, and Daoism, with the intent of helping students to understand the culture, history, and values of Asian communities. 4 SH. CC: Diversity Intensive, Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

RELI201 - The Hebrew Bible

Course Details

Subject Code	Course Number	Department(s)
RELI	201	Religious Studies

Course Title
The Hebrew Bible

Course Description
An introduction to the texts of the Hebrew Bible, with concern for their socio-historical contexts, literary forms, and theological insights. Attention also to the variety of ways in which this literature has been and continues to be valued. Prerequisites: Sophomore standing and one of the following: a course in religious studies, English, a history, DIVS-100 or WGST-100, or instructor's permission. Same as JWST-201. 4 SH. CC: Diversity Intensive, Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Interdisciplinary (DISCP), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

RELI203 - The Historical Jesus

Course Details

Subject Code	Course Number	Department(s)
RELI	203	Religious Studies

Course Title
The Historical Jesus

Course Description
Close reading of both the canonical and non-canonical gospels and their various representations of Jesus. Consideration of the search for the historical Jesus and the nature of the communities from which the gospels derived. 4 SH. CC: Historical Perspectives, Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

RELI207 - Women in Biblical Tradition

Course Details

Subject Code	Course Number	Department(s)
RELI	207	Religious Studies

Course Title
Women in Biblical Tradition

Course Description
An extensive inquiry into women's stories and images in the Hebrew Bible, New Testament, and related literature from the biblical period. Explores the range of roles played by women within biblical narratives, the variety of metaphorical/ symbolic uses of femininity in biblical traditions, and legal and ethical precepts related to the status of women in the biblical period. Methods and approaches from the social sciences, history, literary studies, and theology, as shaped by feminist theory, will serve as the main guides for this study. Prerequisites: Sophomore standing and one of the following: a course in religious studies, a course in women's studies, a course in English, a course in history, or DIVS-100. Same as WGST-207 and JWST-207. 4 SH. CC: Diversity Intensive, Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Interdisciplinary (DISCP), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

RELI208 - Buddhism

Course Details

Subject Code	Course Number	Department(s)
RELI	208	Religious Studies

Course Title
Buddhism

Course Description
This course gives students an intensive introduction to Buddhism, one of the most influential and vibrant religious traditions in the world today. Beginning at home with North American Buddhism, the course covers the history, practices, and beliefs of all major Buddhist traditions, organized geographically. Primary texts in English translation are emphasized, and students are encouraged to try out Buddhist practices in optional sessions. The course also covers contemporary Buddhist responses to ethical issues like abortion, global poverty, and the peace process. 4 SH. CC: Diversity Intensive, Ethics.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

RELI209 - The Bible and Archaeology

Course Details

Subject Code	Course Number	Department(s)
RELI	209	Religious Studies

Course Title
The Bible and Archaeology

Course Description
A study of the events, persons, and socio-cultural processes of ancient (biblical) Israel. Examines carefully the ways in which both the Bible and archaeology can and cannot serve as prime source material for a history of ancient Israel. Considers also the relationships between the biblical text and archaeological findings for historical reconstructions. Prerequisites: Sophomore standing and either one course in history or one of the following courses: RELI-102, RELI-103, RELI-201, RELI-203, RELI-207. 4 SH. CC: Historical Perspectives, Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

RELI210 - Philosophy of Religion

Course Details

Subject Code	Course Number	Department(s)
RELI	210	Religious Studies

Course Title
Philosophy of Religion

Course Description
Focus on classical and contemporary writings to determine the credibility of religious faiths and beliefs. Same as PHIL-210. 4 SH. CC: Diversity Intensive

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

RELI215 - Music in Christian Rituals

Course Details

Subject Code	Course Number	Department(s)
RELI	215	Religious Studies

Course Title
Music in Christian Rituals

Course Description
Examines the theological and musicological aspects of artistic contributions to Christian worship as recognized in cultural settings. Same as MUSC-215. Prerequisite: Junior standing and ability to read music. 4 SH. CC: Artistic Expression, Diversity Intensive, Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Artistic Expression (ARTEX), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

RELI220 - Magic, Witchcraft & Religion

Course Details

Subject Code	Course Number	Department(s)
RELI	220	Religious Studies

Course Title
Magic, Witchcraft & Religion

Course Description
Examines anthropological concepts of magic, witchcraft, and religion in a cross-cultural context. Drawing on ethnography, anthropological theory, history, and film, the class explores the nature of magic, witchcraft, and religion; the relations among them; and the ways in which they interact with other social formations, for example gender, politics, and economics. Countries studied have included South Africa, India, Haiti, and the U.S. Same as ANTH-220. 4 SH. CC: Diversity, Social Interactions.

Course Types
Standard (STAND), Diversity (DVERS), Social Interactions (SOCIN)

Semester Hours

Semester Hours:
4

RELI225 - Women in Religion

Course Details

Subject Code	Course Number	Department(s)
RELI	225	Religious Studies

Course Title
Women in Religion

Course Description
Critically studies how women are perceived, portrayed, and involved in a number of the world's religions, including Hinduism, Buddhism, Judaism, Islam, Christianity, and women's spiritual movements. Prerequisite: Sophomore standing. Same as WGST-225. 4 SH. CC: Diversity Intensive, Interdisciplinary, Writing Intensive.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Diversity Intensive (INDIV), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

RELI235 - Environmental Ethics

Course Details

Subject Code	Course Number	Department(s)
RELI	235	Religious Studies

Course Title
Environmental Ethics

Course Description
This course combines religious, Philosophical and ecological thought as a means of addressing questions about appropriate ethical responses, actions and attitudes in our relationship with our ecosystems. It covers current utilitarian, deontological, and virtue based religious moral thought to focus on questions about the morality of economic and built-environment infrastructures and resultant cultural sea-shifts that need to take place to enable us to embody an ethical relationship with the environment. Prerequisite: Sophomore standing or permission of the instructor. 4 SH. CC: Ethics, Interdisciplinary.

Course Types
Standard (STAND), Ethics (ETHCS), Interdisciplinary (DISCP), Public Policy Major (PPOL)

Semester Hours

Semester Hours:
4

RELI277 - Philippines - Hist, Religion, & Culture

Course Details

Subject Code	Course Number	Department(s)
RELI	277	Religious Studies

Course Title
Philippines - Hist, Religion, & Culture

Course Description
This course offers an introduction to the history, religion, and culture of the Philippines. It is designed as a pre-departure course for students taking part in the GO-Philippines program. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

RELI300 - Book of Revelation/Zombie Apocalypses

Course Details

Subject Code	Course Number	Department(s)
RELI	300	Religious Studies

Course Title
Book of Revelation/Zombie Apocalypses

Course Description
This course uses contemporary zombie films to frame an interdisciplinary exploration into the ancient origins of the apocalyptic genre and the origins and reception history of the Book of Revelation. Discourses about the end(s) of teh world/society are explored across history in an effort to find ethically meaningful ways of interpreting John's apocalypse. Prerequisite: Sophomore standing. 4 SH. CC: Ethics, Interdisciplinary.

Course Types
Standard (STAND), Ethics (ETHCS), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

RELI305 - Topics in Religion

Course Details

Subject Code	Course Number	Department(s)
RELI	305	Religious Studies

Course Title
Topics in Religion

Course Description
Examines selected topics in religion, depending on student and instructor interest. Course may be repeated for credit if topic is different. 2-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

RELI309 - Luther: Life and Thought

Course Details

Subject Code	Course Number	Department(s)
RELI	309	Religious Studies

Course Title
Luther: Life and Thought

Course Description
Through readings from the writings of Martin Luther (1483-1546) and major secondary sources, this course examines the life, thought and importance of Luther in the context of his times and with attention to his significance for today's Christian churches and interfaith dialogues. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

RELI312 - Origins of Christianity

Course Details

Subject Code	Course Number	Department(s)
RELI	312	Religious Studies

Course Title
Origins of Christianity

Course Description
The purpose of this course is to offer an introduction to the academic study of the Christian Church from its inception through the middle ages. Beginning with a quick background sketch of the events in the New Testament, this course will examine the people, events, and theology that we associate with the early and medieval church, up to the dawn of the Reformation. This class is designed, then, to introduce students to the defining people and events during this period that shaped, and continue to shape, the Christian Church. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

RELI313 - Modern Christianities

Course Details

Subject Code	Course Number	Department(s)
RELI	313	Religious Studies

Course Title
Modern Christianities

Course Description
The purpose of this course is to offer an introduction to the academic study of the Christian Church from the 16th century until today. Beginning with a quick background sketch of the events in the middle ages, this course will examine the people, events, and theology that we associate with the Reformation, Enlightenment, and contemporary Church. We will also be considering the history of the Church outside of its western parameters. This class is designed, then, to introduce students to the defining events during these periods that shaped, and continue to shape, the Christian Church. Prerequisite: Sophomore standing. 4 SH. CC: Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR)

Semester Hours

Semester Hours:
4

RELI315 - Being Awesome At Life

Course Details

Subject Code	Course Number	Department(s)
RELI	315	Religious Studies

Course Title
Being Awesome At Life

Course Description
This course offers a cross-cultural examination of the pursuit of a good human life, and how one learns to live better. In other words, it is about the theory and practice of being awesome at life. We focus on ethical dispositions (skills, habits, and virtues) as critical features of ethics, explored through texts from various religious and philosophical figures in English translation, as well film and other media. Prerequisite: Junior standing. Previous experience in philosophy or religious studies is helpful, but not required. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

RELI316 - Daoism, Zen, and Authenticity

Course Details

Subject Code	Course Number	Department(s)
RELI	316	Religious Studies

Course Title
Daoism, Zen, and Authenticity

Course Description
This course is an in-depth study of two uniquely East-Asian religious traditions: Daoism and Zen Buddhism. It is also an exploration of the ethical implications of authenticity in personal conduct, especially as it relates to interpersonal communication and interaction. We will read primary texts in English translation as a way to understand how these texts were created and used in the East Asian context, as well as how they might speak to students' own ethical lives. No prerequisites, but previous experience in Religious Studies or Philosophy will be helpful. 4 SH. CC: Ethics.

Course Types
Standard (STAND), Ethics (ETHCS)

Semester Hours

Semester Hours:
4

RELI318 - Confucian Ethics

Course Details

Subject Code	Course Number	Department(s)
RELI	318	Religious Studies

Course Title
Confucian Ethics

Course Description
This course introduces students to the indigenous system of ethical thought that has most profoundly shaped Chinese and East Asian culture: Confucianism. We focus on original textual material in English translation and place these materials in their historical context to understand their relationship to each other and to subsequent developments in China and beyond. However, the course primarily focuses on the ideas these texts express and how those ideas relate to universal concerns in ethics, as well as specific ethical issues. In other words, this is first and foremost an ethics class, and in particular it deals with Chinese materials and East Asian approaches to ethical issues. 4 SH. CC: Diversity Intensive, Ethics, Writing Intensive.

Course Types
Standard (STAND), Ethics (ETHCS), Writing Intensive (INWRT), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

RELI350 - Science and Religion

Course Details

Subject Code	Course Number	Department(s)
RELI	350	Religious Studies

Course Title
Science and Religion

Course Description
Examines the interaction of science and religion by looking at the history of their relationship, philosophical and theological issues, and current debate on specific questions of interest to both disciplines. Prerequisite: Sophomore standing or instructor or adviser permission. 4 SH. CC: Interdisciplinary, Ethics Intensive.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Ethics Intensive (INETH)

Semester Hours

Semester Hours:
4

RELI353 - The Practice of Church Music

Course Details

Subject Code	Course Number	Department(s)
RELI	353	Religious Studies

Course Title
The Practice of Church Music

Course Description
A practical course designed to introduce the student to the work of the church musician as planner, administrator, leader and resource person. Incorporates the examination of material for use with soloists, instrumentalists, handbells and choral groups of all ages and in various denominations. Same as MUSC-353. Prerequisites: MUSC-161 and MUSC-163. CC: Diversity Intensive. 4 SH.

Course Types
Standard (STAND), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

RELI360 - Religious Fundamentalisms Modern World

Course Details

Subject Code	Course Number	Department(s)
RELI	360	Religious Studies

Course Title
Religious Fundamentalisms Modern World

Course Description
This course examines religious beliefs, practices,and ways of life that have come to be labled "fundamentalist." The course attends in particular to their emergence in the modern world and the ways in which they critically engage secular convictions about morality, aesthetics, and epistemology. The focus of the course is on Protestant fundamentalism and the Islamic Revival, but, depending on student interest, may also consider ultra-orthodox Judaism or Hindu nationalism. Prerequisite: one of the following: ANTH-162, ANTH-220, SOCI-101, SOCI-102, a 100-level religious studies course, or instructor's permission. Same as ANTH-360. 4 SH. CC: Diversity Intensive, Social Interactions, Writing Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Social Interactions (SOCIN), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

RELI400 - Independent Study

Course Details

Subject Code	Course Number	Department(s)
RELI	400	Religious Studies

Course Title
Independent Study

Course Description
Individual and in-depth study of a specialized topic under a faculty member's direction. May involve a reading program, a major research paper, or experiential learning in conjunction with written analysis and reflection. Prerequisite: Department permission. Variable credit.

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

RELI500 - Capstone

Course Details

Subject Code	Course Number	Department(s)
RELI	500	Religious Studies

Course Title
Capstone

Course Description
Study of a particular topic under a faculty member's direction. The Capstone is to serve students as the culmination of their studies allowing them to address questions in religious studies through the lens of their total undergraduate education. Such projects could be structured in a number of different ways and might include an experiential learning aspect. The capstone should culminate in a major research paper. 2-4 SH. Capstone.

Course Types
Capstone (CAPS)

Semester Hours

Semester Hours:	Credit Hours Max:
2	4

RELI503 - Internship

Course Details

Subject Code	Course Number	Department(s)
RELI	503	Religious Studies

Course Title
Internship

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:	Credit Hours Max:
1	4

Theatre Department

Faculty

Erik K. Viker, MFA, Professor of Theatre, department head

Anna Andes, Ph.D., Associate Professor of Theatre

Kevin Crowe, MFA, Ph.D., Assistant Professor of Theatre

Jen Rock, MFA, Assistant Professor of Theatre

Callie Lythgoe, MFA, Lecturer in Theatre

Programs

Theatre Minor

About the Program

Program Title
Theatre Minor

Program Code
MINR.THEA

Program Requirements

Requirements
Students are expected to participate in departmental theatre productions and complete 20 semester hours:

4	**Choose 4 semester hours from:**
4	THEA-142 Stagecraft
4	THEA-151 Acting: Fundamentals
4	THEA-352 World Theatre 1
4	THEA-353 World Theatre 2
16	**Choose 16 additional semester hours from:**
1	THEA-101 The Musical
1	THEA-102 Student-Directed Production
1	THEA-103 Acting Workshop
1	THEA-104 Advanced Acting Workshop
4	THEA-142 Stagecraft
4	THEA-143 Scenic Production
4	THEA-144 Costume Technology
4	THEA-151 Acting: Fundamentals
4	THEA-160 Theatrical Design Fundamentals
4	THEA-240 Theatre and Violence
4	THEA-241 Costume Design
4	THEA-245 Scenic and Lighting Design
4	THEA-251 Acting: Voice and Movement
4	THEA-258 From Page to Stage
4	THEA-352 World Theatre 1
4	THEA-353 World Theatre 2
4	THEA-340 Stage Management & Theatre Ops
4	THEA-342 Stage Makeup

Theatre - Acting (BFA)

About the Program

Program Title
Theatre - Acting (BFA)

Degree
Bachelor of Fine Arts

Program Code
TH.ACT.BFA

Program Description
Susquehanna offers two BFA majors in Theatre: in Acting and in Theatre Management. Majors complete university Central Curriculum requirements plus 74 semester hours of courses outlined below. A grade of C- or better is required for any course to apply to the major. The department also expects theatre majors and minors to participate each semester in department theatre productions and activities supervised by department faculty.

Theatre students who want a specialized, comprehensive education in acting may pursue the Bachelor of Fine Arts in Acting degree option. Accepted majors will have superior skill in acting and demonstrate that skill through a resume of performance accomplishments. Students who successfully complete this program will be well-prepared for a career as a professional stage or film actor, voice-over artist, or commercial talent, and will also be highly competitive for admission to graduate programs in acting.

Admission to the program will be by department faculty approval based on an applicant audition. Auditions may be conducted remotely or by video submission.

Learning Goals
- Students will learn to articulate artistic, scholarly and production related vocabularies, methods and theories of theatrical practice in order to support their continued study and practice of theatre
- Students will develop proficiency in script analysis, production conceptualization, the history of theatre and theatre's importance to society
- Students will learn how to contribute to the discipline and practice of theatre, and to society by recognizing and employing relevant and pertinent theatre and interdisciplinary sources to inform their creative and scholarly activities

Double-counting Restriction
Students may not have a B.A. and a BFA within the department.

Honor Society

Students who meet the requisite national and local standards are eligible to join Alpha Psi Omega.

Program Requirements

Requirements
Students enrolled in the BFA program must maintain an overall grade point average of at least 2.00 and complete major coursework with a minimum grade of C or higher.

74 Semester hours

Required Courses:

4	THEA-151 Acting: Fundamentals
4	THEA-160 Theatrical Design Fundamentals
4	THEA-200 Introduction to Dramatic Literature
4	THEA-251 Acting: Voice and Movement
4	THEA-254 Race and Identity on the American Stage
4	THEA-258 From Page to Stage
4	WRIT-260 The Choreopoem
4	THEA-340 Stage Management & Theatre Operations
4	THEA-342 Stage Makeup
4	THEA-351 Acting: Period Styles
4	THEA-352 World Theatre I
4	THEA-353 World Theatre II
4	THEA-451 Directing
2	THEA-505 Capstone Portfolio
4	WGST-240 Theatre and Violence

8 semester hours from the following:

1	THEA-101 The Musical
1	THEA-102 Student-Directed Production
1	THEA-103 Acting Workshop
1	THEA-104 Advanced Acting Workshop
1	THEA-105 Experimental Acting Workshop

8 semester hours from the following:

4	COMM-191 Interpersonal Communication
4	COMM-192 Public Speaking
4	MUSC-101 Introduction to Music
4	MUSC-275 Introduction to Arts Leadership
4	PSYC-101 Principles of Psychology

Theatre Management (BFA)

About the Program

Program Title
Theatre Management (BFA)

Degree
Bachelor of Fine Arts

Program Code
TH.MGT.BFA

Program Description
Susquehanna offers two BFA majors in Theatre: in Acting and in Theatre Management. Majors complete university Central Curriculum requirements plus 74 semester hours of courses outlined below. A grade of C- or better is required for any course to apply to the major. The department also expects theatre majors and minors to participate each semester in department theatre productions and activities supervised by department faculty.

Students who want a thorough pre-professional education in theatre management may pursue Bachelor of Fine Arts in Theatre Management degree option. Accepted majors will have demonstrated potential as project coordinators and arts organizers and will document that skill through a portfolio of accomplishments. Students who complete this program will typically be competitive to continue study at the graduate level and/or work in the areas of patron services, venue management, event coordination, and theatre operations.

Admission to the program will be by department faculty approval based on an applicant interview and portfolio review. Interviews may be conducted remotely.

Learning Goals
- Students will learn to articulate artistic, scholarly and production related vocabularies, methods and theories of theatrical practice in order to support their continued study and practice of theatre
- Students will develop proficiency in script analysis, production conceptualization, the history of theatre and theatre's importance to society
- Students will learn how to contribute to the discipline and practice of theatre, and to society by recognizing and employing relevant and pertinent theatre and interdisciplinary sources to inform their creative and scholarly activities

Double-counting Restriction
Students may not have a B.A. and a BFA within the department.

Honor Society

Students who meet the requisite national and local standards are eligible to join Alpha Psi Omega.

Program Requirements

Requirements
Students enrolled in the BFA program must maintain an overall grade point average of at least 2.00 and complete major coursework with a minimum grade of C or higher.

74 semester hours

Required Courses

4 ACCT-200 Financial Accounting

4 COMM-191 Interpersonal Communication

4 COMM-201 Ethics and Leadership

4 MGMT-240 Principles of Management

4 MGMT-280 Marketing

4 MUSC-275 Introduction to Arts Leadership

4 THEA-151 Acting: Fundamentals

4 THEA-160 Theatrical Design Fundamentals

4 THEA-241 Costume Design

4 THEA-245 Scenic & Lighting Design

4 THEA-353 World Theatre II or THEA-254 Race and Identity on the American Stage

4 THEA-258 From Page to Stage

4 THEA-340 Stage Management & Theatre Operations

8 THEA-501 Production Lab

2 THEA-505 Capstone Portfolio

4 semester hours from the following:

4 THEA-142 Stagecraft

4 THEA-143 Scenic Production

4 THEA-144 Costume Technology

4 THEA-342 Stage Makeup

8 semester hours from the following:

4 COMM-211 Public Relations

4 COMM-322 Strategic Event Management

4 ENGL-299 Professional & Civic Writing

4 MGMT-290 Nonprofit Management

Theatre - Performance Emphasis (BA)

About the Program

Program Title
Theatre - Performance Emphasis (BA)

Degree
Bachelor of Arts

Program Code
TH.PER.BA

Program Description
Susquehanna offers a B.A. in theatre with three emphases: performance, production and design, and theatre studies. Majors complete university Central Curriculum requirements plus 52 semester hours of courses in one of the three theatre emphases. These include introductory courses and specific emphasis requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one emphasis or minor. The department also expects theatre majors and minors to participate each semester in department theatre productions and activities supervised by department faculty.

Learning Goals
- Students will learn to articulate artistic, scholarly and production related vocabularies, methods and theories of theatrical practice in order to support their continued study and practice of theatre
- Students will develop proficiency in script analysis, production conceptualization, the history of theatre and theatre's importance to society
- Students will learn how to contribute to the discipline and practice of theatre, and to society by recognizing and employing relevant and pertinent theatre and interdisciplinary sources to inform their creative and scholarly activities

Double-counting Restriction
Students may not have a B.A. and a BFA within the department.

Honor Society

Students who meet the requisite national and local standards are eligible to join Alpha Psi Omega.

Program Requirements

Requirements
Students fulfill the university Central Curriculum requirements, participate fully in department productions and successfully complete the following courses:

Department Requirements

4	THEA-151 Acting: Fundamentals
4	THEA-160 Theatrical Design Fundamentals
4	THEA-258 From Page to Stage
4	THEA-340 Stage Management and Theatre Operations
4	THEA-352 World Theatre 1
4	THEA-353 World Theatre 2
4	THEA-505 Capstone Portfolio

Requirements for the Performance Emphasis

4	THEA-251 Acting: Voice and Movement
4	THEA-351 Acting: Period Styles
4	THEA-451 Directing

4 semester hours chosen from the following:

1	THEA-101 The Fall Musical
1	THEA-102 Student-directed Production
1	THEA-103 Acting Workshop
1	THEA-104 Advanced Acting Workshop
1	THEA-105 Experimental Acting Workshop

4 semester hours chosen from the following:

4	THEA-142 Stagecraft
4	THEA-143 Scenic Production
4	THEA-144 Costume Technology

4 semester hours chosen from the following:

1	THEA-101 The Musical
1	THEA-102 Student-directed Production
1	THEA-103 Acting Workshop
1	THEA-104 Advanced Acting Workshop
1	THEA-105 Experimental Acting Workshop
4	THEA-240 Theatre and Violence
4	THEA-241 Costume Design
4	THEA-245 Scenic and Lighting Design
4	THEA-254 Race and Identity and the American Stage
4	THEA-342 Stage Makeup
4	THEA-452 Seminar in Theatre

Theatre - Production/Design Emphasis (BA)

About the Program

Program Title
Theatre - Production/Design Emphasis (BA)

Degree
Bachelor of Arts

Program Code
TH.PRD.BA

Program Description
Susquehanna offers a B.A. in theatre with three emphases: performance, production and design, and theatre studies. Majors complete university Central Curriculum requirements plus 52 semester hours of courses in one of the three theatre emphases. These include introductory courses and specific emphasis requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one emphasis or minor. The department also expects theatre majors and minors to participate each semester in department theatre productions and activities supervised by department faculty.

Learning Goals
- Students will learn to articulate artistic, scholarly and production related vocabularies, methods and theories of theatrical practice in order to support their continued study and practice of theatre
- Students will develop proficiency in script analysis, production conceptualization, the history of theatre and theatre's importance to society
- Students will learn how to contribute to the discipline and practice of theatre, and to society by recognizing and employing relevant and pertinent theatre and interdisciplinary sources to inform their creative and scholarly activities

Double-counting Restriction
Students may not have a B.A. and a BFA within the department.

Honor Society

Students who meet the requisite national and local standards are eligible to join Alpha Psi Omega.

Program Requirements

Requirements
Students fulfill the university Central Curriculum requirements, participate fully in department productions and successfully complete the following courses:

Department Requirements

4 THEA-151 Acting: Fundamentals

4 THEA-160 Theatrical Design Fundamentals

4 THEA-258 From Page to Stage

4 THEA-340 Stage Management and Theatre Operations

4 THEA-352 World Theatre 1

4 THEA-353 World Theatre 2

4 THEA-505 Capstone Portfolio

Requirements for the Production and Design Emphasis

4 THEA-142 Stagecraft

4 THEA-143 Scenic Production

4 THEA-501 Production Lab

8 semester hours chosen from the following:

4 THEA-241 Costume Design

4 THEA-245 Scenic and Lighting Design

4 THEA-342 Stage Makeup

4 semester hours chosen from the following:

4 THEA-144 Costume Technology

4 THEA-240 Theatre and Violence or THEA-254 Race and Identity in Theatre

4 THEA-452 Seminar in Theatre (repeatable with topic change)

Theatre Studies Emphasis (BA)

About the Program

Program Title
Theatre Studies Emphasis (BA)

Degree
Bachelor of Arts

Program Code
TH.STS.BA

Program Description
Susquehanna offers a B.A. in theatre with three emphases: performance, production and design, and theatre studies. Majors complete university Central Curriculum requirements plus 52 semester hours of courses in one of the three theatre emphases. These include introductory courses and specific emphasis requirements. A grade of C- or better is required for any course to apply to the major or minor. Courses may count toward only one emphasis or minor. The department also expects theatre majors and minors to participate each semester in department theatre productions and activities supervised by department faculty.

Learning Goals
- Students will learn to articulate artistic, scholarly and production related vocabularies, methods and theories of theatrical practice in order to support their continued study and practice of theatre
- Students will develop proficiency in script analysis, production conceptualization, the history of theatre and theatre's importance to society
- Students will learn how to contribute to the discipline and practice of theatre, and to society by recognizing and employing relevant and pertinent theatre and interdisciplinary sources to inform their creative and scholarly activities

Double-counting Restriction
Students may not have a B.A. and a BFA within the department.

Honor Society

Students who meet the requisite national and local standards are eligible to join Alpha Psi Omega.

Program Requirements

Requirements
Students fulfill the university Central Curriculum requirements, participate fully in department productions and successfully complete the following courses:

Department Requirements

4 THEA-151 Acting Fundamentals

4 THEA-160 Theatrical Design Fundamentals

4 THEA-258 From Page to Stage

4 THEA-340 Stage Management and Theatre Operations

4 THEA-352 World Theatre 1

4 THEA-353 World Theatre 2

4 THEA-505 Capstone Portfolio

Requirements for the Theatre Studies Emphasis

4 THEA-200 Introduction to Dramatic Literature

4 THEA-240 Theatre and Violence.

4 THEA-254 Race and Identity on the American Stage

2 THEA-502 Dramaturgy

The remaining 10 semester hours may be chosen from the courses below:

4 THEA-142 Stagecraft **OR** THEA-143 Scenic Production **OR** THEA-144 Costume Technology

4 THEA-241 Costume Design **OR** THEA-342 Stage Makeup

4 THEA-245 Scenic and Lighting Design

4 THEA-251 Acting: Voice and Movement

4 THEA-260 The Choreopoem

4 THEA-451 Directing

4 THEA-452 Seminar in Theatre (repeatable once with department head approval)

1 THEA-502 Dramaturgy (repeatable once)

1 THEA-501 Production Lab (repeatable once)

No more than 4 semester hours from the following may be included:

1 THEA-101 The Musical

1 THEA-102 Student-Directed Production

1 THEA-103 Acting Workshop

1 THEA-104 Advanced Acting Workshop

1 THEA-105 Experimental Acting Workshop

Courses

DANC101 - Conditioning

Course Details

Subject Code
DANC

Course Number
101

Department(s)
Theatre

Course Title
Conditioning

Course Description
Development of strength and muscular endurance, as well as lengthening of muscle groups and release of unnecessary tension. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

DANC140 - Jazz/Tap

Course Details

Subject Code
DANC

Course Number
140

Department(s)
Theatre

Course Title
Jazz/Tap

Course Description
Fundamental technique, practice, and appreciation of jazz and tap dance. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

DANC150 - Modern Dance

Course Details

Subject Code
DANC

Course Number
150

Department(s)
Theatre

Course Title
Modern Dance

Course Description
Introduction to the technical skills, practice, and application of modern dance. Vocabulary, movement, floorwork, various dance patterns, and movement combinations included. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

DANC155 - Contemporary Ballroom Dance

Course Details

Subject Code
DANC

Course Number
155

Department(s)
Theatre

Course Title
Contemporary Ballroom Dance

Course Description
Fundamental technique, training, and appreciation of ballroom dances, including the foxtrot, the waltz, the rumba, the cha cha, and others. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

DANC250 - Historical Partner Dance

Course Details

Subject Code	Course Number	Department(s)
DANC	250	Theatre

Course Title
Historical Partner Dance

Course Description
Fundamental technique, training, and appreciation of historical partner dances, including the minuet, quadrille, polonaise, gavotte, mazurka, and others. 2 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
2

DANC301 - Advanced Topics in Dance

Course Details

Subject Code	Course Number	Department(s)
DANC	301	Theatre

Course Title
Advanced Topics in Dance

Course Description
A contemporary dance class focusing on challenging improvisation, movement, and technical exercises, designed to introduce students to the demands of professional contemporary and modern dance in the context of supporting academic performance activity for majors and elective exploration for non-majors. Specific topics may vary from semester to semester. May be repeated once for credit. 2 SH.

Semester Hours

Semester Hours:
2

THEA100 - Introduction to Theatre

Course Details

Subject Code	Course Number	Department(s)
THEA	100	Theatre

Course Title
Introduction to Theatre

Course Description
Fundamental characteristics and function of the theatre. Includes basic roles of the playwright, director, actor, designer, technicians and other professions. 4 SH. CC: Artistic Expression.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

THEA101 - The Musical

Course Details

Subject Code	Course Number	Department(s)
THEA	101	Theatre

Course Title
The Musical

Course Description
An ensemble of singers, dancers, and actors that rehearses and performs a fully-realized musical theatre production. Prerequisite: Instructor's permission, by audition. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

THEA102 - Student-Directed Production

Course Details

Subject Code	Course Number	Department(s)
THEA	102	Theatre

Course Title
Student-Directed Production

Course Description
An ensemble led by a student director that rehearses and performs a full-length production in the spring semester. Prerequisite: department permission, by audition. 1 SH. CC: Team Intensive.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

THEA103 - Acting Workshop

Course Details

Subject Code	Course Number	Department(s)
THEA	103	Theatre

Course Title
Acting Workshop

Course Description
A large ensemble of performers that rehearses and performs a full-realized, challenging piece of dramatic literature in the spring semester. Prerequisite: instructor's permission, by audition. 1 SH. CC: Team Intensive.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

THEA104 - Advanced Acting Workshop

Course Details

Subject Code	Course Number	Department(s)
THEA	104	Theatre

Course Title
Advanced Acting Workshop

Course Description
A small ensemble of highly select performers who rehearse and perform a fully-realized, challenging piece of dramatic literature in the fall semester. Prerequisites: instructor's permission, by audition. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

THEA105 - Experimental Acting Workshop

Course Details

Subject Code	Course Number	Department(s)
THEA	105	Theatre

Course Title
Experimental Acting Workshop

Course Description
This ensemble course will challenge students with demanding roles in a bare-bones acting environment to bring out their best talent in a no-frills, cutting edge performance experience. Prerequisites: instructor's permission, by audition. 1 SH.

Course Types
Ensemble (ENSMB)

Semester Hours

Semester Hours:
1

THEA142 - Stagecraft

Course Details

Subject Code	Course Number	Department(s)
THEA	142	Theatre

Course Title
Stagecraft

Course Description
Students explore production process, management and leadership skills preparing scenery, properties, special effects, sound and costumes for university theatre productions. The course offers hands-on training, exploring practical applications of artistic and structural design, project management, team development, construction techniques, and resource coordination. Expectations are eight hours of lab each week with possible evening rehearsal and performance assignments. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA143 - Lighting Production and Technology

Course Details

Subject Code	Course Number	Department(s)
THEA	143	Theatre

Course Title
Lighting Production and Technology

Course Description
Students explore the production process for lighting design and technology by executing designs for university theatre productions. This course focuses on the maintenance, installation, and operation of theatre lighting equipment. Hands-on training. Expectations are up to six hours of lab each week with possible evening rehearsal and performance assignments. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA144 - Costume Production

Course Details

Subject Code	Course Number	Department(s)
THEA	144	Theatre

Course Title
Costume Production

Course Description
Students explore the production process for executing costume designs for university theatre productions. The model of a professional costume shop and its personnel is used in order to provide hands-on training in costume construction, costume shop operations, team building and organization, analyzing, and problem-solving. The course focuses on the practice of basic skills in costume production, repair, and maintenance all within a collaborative atmosphere. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA151 - Acting: Fundamentals

Course Details

Subject Code	Course Number	Department(s)
THEA	151	Theatre

Course Title
Acting: Fundamentals

Course Description
This course explores a broad spectrum of skills in the creative process of acting. These skills (including expansion of vocal and physical abilities, emotional and sensory awareness, improvisational skills, etc.) will be focused toward introducing the prospective actor to the six basic steps in Stanislavski's "System of Acting." Prerequisite: Theatre major, theatre minor, or department's permission. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA160 - Theatrical Design Fundamentals

Course Details

Subject Code	Course Number	Department(s)
THEA	160	Theatre

Course Title
Theatrical Design Fundamentals

Course Description
This course is an overview and examination of the basic principles and elements of design and how they are related to and used in scenic, costume, and lighting design for theatre. Topics will include the design process, research methods, and practical considerations for executing designs. 4 SH

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA200 - Dramatic Literature

Course Details

Subject Code	Course Number	Department(s)
THEA	200	Theatre

Course Title
Dramatic Literature

Course Description
An introduction to world dramatic literature through study of the development of drama and its various forms with a focus on dramatic movements and theatrical innovations, as well as the cultural aesthetic, literary, and political contexts of individual works. 4 SH. CC: Literary Expression, Diversity Intensive.

Course Types
Standard (STAND), Diversity Intensive (INDIV), Literary Expression (LITEX)

Semester Hours

Semester Hours:
4

THEA204 - Modern Dance

Course Details

Subject Code	Course Number	Department(s)
THEA	204	Theatre

Course Title
Modern Dance

Course Types
Do Not Show On Web (NSHOW), Not included in catalog (NOCAT)

Semester Hours

Semester Hours:
1

THEA205 - Expressive Movement

Course Details

Subject Code	Course Number	Department(s)
THEA	205	Theatre

Course Title
Expressive Movement

Course Types
Do Not Show On Web (NSHOW), Not included in catalog (NOCAT)

Semester Hours

Semester Hours:
1

THEA240 - Theatre and Violence

Course Details

Subject Code	Course Number	Department(s)
THEA	240	Theatre

Course Title
Theatre and Violence

Course Description
Through the reading and analysis of various genres of play texts written by a diverse collection of playwrights, this course analyzes theatre's unique ability to engage with both the agenda and the trauma of violence. Students in this course will learn to consider violence as a tool of oppression that reinforces power structures and as an expression of trauma by those un-empowered by the same societal power structures. Same as WGST-241. 4 SH. CC: Diversity Intensive, Ethics Intensive.

Course Types
Standard (STAND), Ethics Intensive (INETH), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

THEA241 - Costume Design

Course Details

Subject Code	Course Number	Department(s)
THEA	241	Theatre

Course Title
Costume Design

Course Description
Portfolio projects in costume design beginning with script analysis and research and culminating with finished renderings and realized design components for the student's portfolio. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA245 - Scenic and Lighting Design

Course Details

Subject Code	Course Number	Department(s)
THEA	245	Theatre

Course Title
Scenic and Lighting Design

Course Description
THEA-245 Scenic and Lighting Design. This course will explore scenic and lighting design and the responsibilities of the scenic and lighting designer in the production process. Students will be introduced to the art and practice of advanced design through practical projects in script analysis, literary research, technical drawing, rendering and modeling. Prerequisite: THEA-160 Theatrical Design Fundamentals. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA251 - Acting: Voice and Movement

Course Details

Subject Code	Course Number	Department(s)
THEA	251	Theatre

Course Title
Acting: Voice and Movement

Course Description
An in-depth exploration of the basic principles of acting and the creative process introduced in Acting I. These skills (including expansion of improvisational skills, action and text analysis, character analysis and transformation, communion, etc.) will be focused toward advanced work in scene and monologue study, specifically dealing with early and contemporary realism. Prerequisite: Sophomore standing and THEA-151. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA254 - Race, Identity, and the American Stage

Course Details

Subject Code	Course Number	Department(s)
THEA	254	Theatre

Course Title
Race, Identity, and the American Stage

Course Description
This course surveys the theatre history of underrepresented and marginalized populations as a reflection of their culture and experience. For example, the course will examine the history of African-American theatre and the African-American practitioner's role in theatre from slavery to modern times by comparing these to the impact of gay playwrights in contemporary theatre and the works of Latin American playwrights. Through the study of dramatic literature, the course examines various dramatic genres (comedy, tragedy, and melodrama), historic and contemporary themes and developments in African-American theatre, LGBTQ plays, and dramatic works of other disempowered voices, including plays that both uplifted underrepresented voices and perpetuated stereotypes in popular imagination. 4 SH. CC: Diversity, Historical Perspectives.

Course Types
Standard (STAND), Historical Perspectives (HISTR), Diversity (DVERS), Multicultl/Non-West ENGL (MULTI)

Semester Hours

Semester Hours:
4

THEA258 - From Page to Stage

Course Details

Subject Code	Course Number	Department(s)
THEA	258	Theatre

Course Title
From Page to Stage

Course Description
An exploration of dramatic literature with a concentration in play analysis. The analysis will focus on the structure of dramatic art and how it can be applied by the theatre artist. Prerequisite: THEA-151. 4 SH. CC: Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT)

Semester Hours

Semester Hours:
4

THEA260 - The Choreopoem

Course Details

Subject Code	Course Number	Department(s)
THEA	260	Theatre

Course Title
The Choreopoem

Course Description
Inspired by the original choreopoem by Ntozake Shange, this course introduces the choreopoem form, investigating the concept of the living text as it applies to collaboration across multiple disciplines. Using literary analysis, creative writing, and theatre, students research the choreopoem form, write one as a class, and publicly perform it, reflecting on the tension of intention vs. impact in performance spaces. Same as WRIT-260 and AFRC-260. Sophomore or higher standing required. 4 SH. CC: Interdisciplinary, Diversity Intensive, Team Intensive.

Course Types
Standard (STAND), Interdisciplinary (DISCP), Diversity Intensive (INDIV)

Semester Hours

Semester Hours:
4

THEA340 - Stage Management & Theatre Operations

Course Details

Subject Code	Course Number	Department(s)
THEA	340	Theatre

Course Title
Stage Management & Theatre Operations

Course Description
Survey of stage management and theatre administration, exploring the relationship between the artistry of theatre as a fine arts discipline and the execution of management principles in theatre operations. Topics to be studied include stage management, theatre organization, professional unions, production management, publicity/marketing, and box office and house management. Prerequisites: Instructor's permission and junior standing. 4 SH. CC: Interdisciplinary.

Course Types
Standard (STAND), Interdisciplinary (DISCP)

Semester Hours

Semester Hours:
4

THEA342 - Stage Make-Up

Course Details

Subject Code	Course Number	Department(s)
THEA	342	Theatre

Course Title
Stage Make-Up

Course Description
Porfolio projects in make-up design, beginning with script analysis and research and culminating with realized and conceptual projects. Projects in make-up design will expose students to the techniques of traditional, prosthetic, and wig applications. Prerequisite: Sophomore standing or instructor's permission. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA351 - Acting: Period Styles

Course Details

Subject Code	Course Number	Department(s)
THEA	351	Theatre

Course Title
Acting: Period Styles

Course Description
Advanced training in acting with an emphasis on effective vocal/rhetorical techniques and on the use of poetic rhythm and imagery in creating a role psychologically as well as physically. Definition of style/language analysis, Greek period style, the comic impulse/Commedia Dell'arte, Renaissance/Elizabethan period style, 17th-century French farce, and Restoration/Georgian "Comedy of Manners." Prerequisites: Sophomore standing and THEA-151. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA352 - World Theatre 1

Course Details

Subject Code	Course Number	Department(s)
THEA	352	Theatre

Course Title
World Theatre 1

Course Description
Historical survey from the fifth century B.C.E. to the mid-19th century and the rise of realism, studying the theatre and drama of Europe and its colonies, including (but not limited to) Canada, the United States and Mexico. Integrates the study of the history of the theatre through representative plays and their production. Students view live performances, tapes and films to gain an on-stage perspective. Field trips involved with some costs; waiver possible. CC: Artistic Expression. 4 SH.

Course Types
Standard (STAND), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

THEA353 - World Theatre 2

Course Details

Subject Code	Course Number	Department(s)
THEA	353	Theatre

Course Title
World Theatre 2

Course Description
Survey of the indigenous and postcolonial theatre and drama of Asia, Africa, the Middle East and the Americas, among others. Integrates the study of the history of the theatre through representative plays and their production. Students view live performances, tapes and films to gain an on-stage perspective. Field trips involved with some costs; waiver possible. 4 SH. CC: Artistic Expression, Diversity.

Course Types
Standard (STAND), Diversity (DVERS), Artistic Expression (ARTEX)

Semester Hours

Semester Hours:
4

THEA451 - Directing

Course Details

Subject Code	Course Number	Department(s)
THEA	451	Theatre

Course Title
Directing

Course Description
Study of the basic processes of play directing, script selection, blocking, rehearsal procedure, casting, directorial function, and the history of directing. Direction of in-class scenes and presentations of a single all-class scene program at the end of the term for the public. Prerequisites: THEA-151 and either THEA-252 or THEA-258, or instructor's permission. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA452 - Seminar in Theatre

Course Details

Subject Code
THEA

Course Number
452

Department(s)
Theatre

Course Title
Seminar in Theatre

Course Description
Issues and topics in theatre. Emphasizes research and analysis. 4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
4

THEA453 - Dramatic Theory and Criticism

Course Details

Subject Code
THEA

Course Number
453

Department(s)
Theatre

Course Title
Dramatic Theory and Criticism

Course Description
Students will engage in a focused examination of the major literary and theoretical movements found in drama, spanning the late 19th century to the present. Prerequisites: Senior standing. 4 SH. CC: Diversity Intensive, Writing Intensive.

Course Types
Standard (STAND), Writing Intensive (INWRT), Diversity Intensive (INDIV), Capstone (CAPS)

Semester Hours

Semester Hours:
4

THEA456 - Spring Production

Course Details

Subject Code
THEA

Course Number
456

Department(s)
Theatre

Course Title
Spring Production

Course Types
Not included in catalog (NOCAT), Do Not Show On Web (NSHOW)

Semester Hours

Semester Hours:
1

THEA501 - Production Lab

Course Details

Subject Code
THEA

Course Number
501

Department(s)
Theatre

Course Title
Production Lab

Course Description
Applied projects in theatre design, technical production, or theatre management, completed in conjunction with Department of Theatre productions. The student and the supervising professor will determine and tailor projects to ensure both mastery of the student's project (or assignment) and a general understanding of the complexities of theatre. All projects require departmental approval, are critically assessed by the supervising faculty member as well as the student, and must be completed to the satisfaction of the theatre faculty. Four semesters of Production Lab are required for graduation with the Production and Design emphasis of the B. A. in theatre (may be waived at the discretion of the department). 1 SH.

Course Types
Practicum (PRACT)

Semester Hours

Semester Hours:
1

THEA502 - Dramaturgy

Course Details

Subject Code
THEA

Course Number
502

Department(s)
Theatre

Course Title
Dramaturgy

Course Description
In-depth exploration of selected topics in theatre with faculty guidance allows students to focus on topics outside normal sequence of course offerings. Prerequisite: department-designated faculty director's permission. May be repeated. 1-4 SH.

Semester Hours

Semester Hours:
1

Credit Hours Max:
4

THEA504 - Internship

Course Details

Subject Code
THEA

Course Number
504

Department(s)
Theatre

Course Title
Internship

Course Description
Supervised work in fields related to professional and/or not-for-profit theatre. Prerequisite: Junior or senior standing and internship coordinator's permission. Variable credit.

Course Types
Internship (INTRN)

Semester Hours

Semester Hours:
1

Credit Hours Max:
8

THEA505 - Capstone Portfolio

Course Details

Subject Code
THEA

Course Number
505

Department(s)
Theatre

Course Title
Capstone Portfolio

Course Description
The Capstone Portfolio course is a faculty-guided independent study overview of student achievement in academic work including aspects of theatre operations, design and technology, performance, dramaturgy, and research and writing. A student and a supervising faculty member will tailor portfolios to reflect a student's individual achievements within the theatre curriculum and production work. This course is a reflective and forward-looking experience with content derived from the student's academic experiences both in the classroom and in practice-based learning. By participating in this course students will enhance their artifacts of academic and production achievement to create and present a comprehensive portfolio of their work and career trajectory. 2 SH. Capstone.

Course Types
Standard (STAND), Capstone (CAPS)

Semester Hours

Semester Hours:
2

THEA506 - Independent Study

Course Details

Subject Code
THEA

Course Number
506

Department(s)
Theatre

Course Title
Independent Study

Course Description
Individual work on selected topics for qualified students under faculty supervision. 1-4 SH.

Course Types
Standard (STAND)

Semester Hours

Semester Hours:
1

Credit Hours Max:
4