



Ursinus College

**FIRST YEAR
ADVISING
ACADEMIC GUIDE**

2024-2025

Table of Contents

THE FIRST-YEAR STUDENT ADVISING PROGRAM	1
ACADEMIC SUPPORT.....	2
The Center for Writing and Speaking	2
The Institute for Student Success.....	2
4	
ADVISING STUDENTS WITH DISABILITIES	4
ADVISING STUDENT ATHLETES	6
The Abele Scholars Program	9
ADVISING STUDENTS WHO ARE EXPLORING MAJORS.....	11
URSINUS QUEST: THE OPEN QUESTIONS CORE CURRICULUM	16
The Core	16
SUMMARY OF CORE REQUIREMENTS	16
CORE CHECKLIST FOR ADVISERS	20
ADVANCED PLACEMENT AND.....	22
TRANSFER CREDIT FROM OTHER COLLEGES	22
PLACEMENT TESTING & ADVISING GUIDELINES.....	27
CHEMISTRY PLACEMENT ADVISING NOTES	28
FOREIGN LANGUAGE PLACEMENT GUIDELINES	30
MATHEMATICS PLACEMENT NOTES.....	33
DEPARTMENT PROGRAMS	36
OF STUDY	36
AFRICAN AMERICAN AND AFRICANA STUDIES (MINOR)	37
AMERICAN STUDIES	38
ANTHROPOLOGY AND SOCIOLOGY	41
APPLIED ETHICS MINOR	43
ART AND ART HISTORY.....	44
BIOCHEMISTRY AND MOLECULAR BIOLOGY.....	47
BIOLOGY.....	50
BUSINESS ECONOMICS.....	54
CHEMISTRY.....	57
CLASSICS.....	61
DIGITAL STUDIES MINOR.....	62
EAST ASIAN STUDIES	63

ECONOMICS.....	65
EDUCATION	70
ENGLISH AND CREATIVE WRITING	75
ENVIRONMENT and SUSTAINABILITY	79
Concentrations in Environment and Sustainability.....	80
89	
FOOD STUDIES (MINOR).....	89
GENDER, WOMEN’S, AND SEXUALITY STUDIES MINOR.....	91
HEALTH AND SOCIETY	92
HEALTH Sciences (HS).....	95
HISTORY	98
102	
INTERNATIONAL RELATIONS	102
LATIN AMERICAN STUDIES MINOR	104
105	
MARINE SCIENCE MINOR	105
MATHEMATICS AND COMPUTER SCIENCE.....	108
MEDIA AND COMMUNICATION STUDIES	113
MODERN LANGUAGES	115
MUSEUM STUDIES MINOR	119
MUSIC	120
NEUROSCIENCE.....	122
PEACE AND SOCIAL JUSTICE STUDIES MINOR	126
PERFORMING AND VISUAL ARTS DESIGN AND TECHNOLOGY MAJOR	128
131	
PHILOSOPHY AND RELIGIOUS STUDIES	131
134	
PHYSICS AND ASTRONOMY	134
POLITICS	137
PRE-ENGINEERING PROGRAM	139
PRE-HEALTH PROFESSIONS.....	142
PRE-LAW GUIDELINES	146
PRE-THEOLOGICAL STUDIES.....	147
PSYCHOLOGY	148
SCIENCE AND THE COMMON GOOD (MINOR)	151

THEATER & DANCE – THEATER	152
THEATER & DANCE – DANCE	155
RESOURCES.....	157
Visualize Your Schedule.....	158
Calculating a Grade Point Average.....	162
Career and	163
163	
Forms & Procedures.....	164
Ursinus College Guide for Student Concerns	165
Ursinus College Guide for Student Information	166

THE FIRST-YEAR STUDENT ADVISING PROGRAM

At Ursinus, all students enter as undeclared and are assigned a first-year adviser. Students declare their major in spring of their first year and then are assigned a major adviser. Faculty members from all the disciplines and academic staff serve as first-year advisers. The advising practicum is a course that is required for all first-year students. The course is meant to help students navigate their first semester of college. Students will get practical advice on how to succeed in college whatever their major turns out to be but will also have the time and space to reflect on the core questions that will guide their four years at the College.

Goals

- Students will be able to articulate thoughtful reasons for their educational choices.
- Students will understand where to go for support for academic, social and other kinds of assistance; students will know how to navigate the college experience with confidence.
- Students will feel connected to the campus.
- Students will be able to identify and explain connections between different parts of the curriculum and co-curriculum.

MEETINGS WITH ADVISERS

May Orientation

- Advisers meet with their advising cohorts
- Advisers meet 1:1 with advisees
- Get acquainted and begin talking about student's goals
- Registration for Fall is completed

August Orientation

- Ursinus Day of Academic Convocation (UDAC)
- Advisers meet with their advising cohorts
- Discuss expectations
- Make changes to schedules (if needed)
- Answer student questions

Fall Semester

- Weekly advising cohort meetings
- Individual meetings with advisees as needed to monitor the student's adjustment to college and address any issues or concerns

Additional Meetings with Advisees

- When students receive Early Alerts
- To review midterm grades
- Prior to course registration for Spring
- Spring semester as needed and to discuss/declare a major

Contacts from First-Year Advisers in June, July, August could include:

- Send graduation cards or congratulations emails (after Orientation)
- Information on how to reach adviser this summer (after Orientation)
- Contact students about their schedules after you have reviewed them and remind them when they are available online (after July 15)
- Check-in on how CIE reading is going (early August)

ACADEMIC SUPPORT

The Center for Writing and Speaking (Olin 302)

<https://www.ursinus.edu/offices/center-for-writing-and-speaking/>

Director: Talia Argondezzi

targondezzi@ursinus.edu

(610) 409-3058

Writing Fellows at the Center for Writing and Speaking will consult with you about any piece of writing, from essays, creative works, and lab reports for courses, to applications and personal statements for outside opportunities. We are available to help students in any discipline at any point in the writing process, free of charge. We also provide assistance with presentations and would love not only to review your presentation, but also to help you to improve your skills and confidence as a speaker. We aim to help students become more confident and competent communicators through an open dialogue. In each appointment, the goal is not just to improve a single paper or presentation, but also to improve as a writer or speaker.

Students may make appointments online at ursinus.mywconline.net.

Hours: Monday-Thursday, 11:00 AM – 4:00 PM and 7:00 – 10:00 PM; Friday 11:00 AM – 3:00 PM; Sunday, 6:00 – 11:00 PM

The Institute for Student Success (Lower level – Wismer) –

instituteforstudentsuccess@ursinus.edu

(610) 409-3400

Website: <https://www.ursinus.edu/offices/ursinus-institute/>

The Institute for Student Success works in collaboration with the faculty to guide and support all Ursinus students in their pursuit of academic achievement. We help students to:

- 1) Become engaged and independent learners
- 2) Develop self-awareness and self-advocacy skills
- 3) Strengthen their commitment to academics
- 4) Acquire organizational and problem-solving skills
- 5) Learn skills essential for navigating the challenges of a liberal arts education

Additional information for the following academic resources is provided below:

1. Individual Tutoring
2. BIO-101/102 Recitation
3. Academic Coaching

Individual Tutoring

Our individual tutoring program is designed to help students strengthen their course-specific knowledge and build skills for success. Students will use our online scheduling system to select a subject tutor and make an appointment to meet in person for individualized tutoring support. We offer tutoring for most 100 and 200 level

courses, and some tutors may also provide support for more advanced courses within their major. Tutors are trained by professional staff members in ISS, focusing on academic strategies, inclusive and developmental language during assistance, and tasked with helping students discover individual skills and success strategies for the remainder of their time at Ursinus.

Students can find more information about tutoring and create appointments through our website at <https://www.ursinus.edu/offices/institute-for-student-success/tutoring-services/>.

Recitation & Group study workshops

Recitation for BIO-101 is a supplemental program focusing on academic skills development and content review. This peer-led program takes place in conjunction with the student's lab and is required. Recitation sections have shown a large improvement in not only student content knowledge, but also ability to engage with other STEM coursework.

Recitation for BIO-102 is an optional peer-facilitated academic support program charged with improvement in student performance and retention. The program offers out-of-class review sessions multiple times per week in which students compare notes, review material, discuss readings, develop study skills, and prepare for exams.

Genetics (BIO-201) optional group study workshops run throughout the semester to support students in this course. The workshops are led by peer tutors and help students with exam review or practicing more challenging content topics.

All recitation tutors are trained by both ISS staff and faculty within the biology department and meet regularly with the tutoring coordinator. Students can find more information on Recitation schedules and content by consulting the ISS website for Tutoring and Academic Coaching.

Academic Coaching

Our academic coaching program is designed to help students develop academic skills throughout their college career and beyond. Peer Academic Coaches are advanced standing students that have been trained to guide students in developing skills such as time management, establishing SMART goals, effective study habits, etc. Students can find more information on Academic Coaching and schedule an appointment

ADVISING STUDENTS WITH DISABILITIES

Contact

Office of Disability and Access (ODA)

disabilityandaccess@ursinus.edu

<https://www.ursinus.edu/offices/disability-and-access/>

Ursinus College is dedicated to offering an environment where all students feel affirmed, respected, welcomed, and safe. For students who have any kind of disability, whether learning, emotional, physical, or cognitive, and need accommodations to access their academic, social, or residential college environment, Disability and Access at Ursinus College provides reasonable accommodations, services, and supports following the Americans with Disabilities Act Amendments Act (ADAAA) and Section 504 of the Rehabilitation Act guidelines.

Eligibility for Accommodations

Students with a disability should first identify themselves to Disability and Access by completing the accommodation request form found on their website. The student will have [an interactive meeting with a member of ODA staff](#) to discuss their disability, impacts, and requested accommodations and supports. The student will provide [recommended documentation](#) to support their request. Students who do not have documentation but believe that they may have a disability should contact Disability and Access for further information.

Student Responsibilities

The student with the disability needs to request accommodations, provide the College with documentation, and engage with the accommodations and supports. Disclosure of a student's disability is confidential; accommodations are shared by release of the student and/or on a need-to-know basis. Students use the Bear Accessibility Student Portal to release their accommodations to their faculty each semester. Once students release their accommodations, faculty will receive an email with approved accommodations. Students are informed that they need to communicate with their faculty if they plan on using the accommodations. Students should notify the Disability and Access as soon as possible if there are problems or concerns with their accommodations in a course.

It is the students' responsibility to request academic coaching, peer mentoring services, tutoring, counseling, and career support. Disability and Access will work with students to ensure they are aware and connected to additional academic resources that are not typical accommodations under ADAAA.

Students who do not have documentation but believe that they may have a disability should contact Disability and Access for further information. ODA can still work with students who need supports by connecting them to the proper professionals in the community if needed and by connecting them to other appropriate academic resources.

Faculty Responsibilities

Students should be able to use and implement their approved accommodations within all courses. Once faculty receive the approval notification, faculty are asked to meet with students to discuss the accommodation(s). Faculty should notify Disability and Access if they feel that any accommodations impact essential requirements in their course(s).

Advisor Responsibilities

Students who have approved accommodations are informed that advisors play an important role in their academic career and will be notified on a need-to-know basis and for the benefit of the student of their accommodations. If a student discloses a disability to their advisor but does not have approved accommodations, the advisor should provide information about the Office of Disability and Access to the student.

Office of Disability and Access Responsibilities

A member of ODA staff will meet with the student requesting accommodations and provide an interactive and deliberative process for the student to receive reasonable academic accommodations, serving as a liaison and advocate for the implementation of the accommodations and supports. ODA staff work closely with faculty to understand and implement approved accommodations as applicable in the academic environment and provide strategies and supports to best meet the needs of the students while adhering to essential competencies and requirements of the course.

Student Athletes

ADVISING STUDENT ATHLETES

Contacts

Marqus Hunter, Associate Athletic Director
Floy Lewis Bakes Field House
mhunter@ursinus.edu
Campus Extension: x3237

Erin Stroble, Director of Athletics
Floy Lewis Bakes Field House
estroble@ursinus.edu
Campus Extension: x3606

More than 40% of the first-year student population at Ursinus participates on one (or more) of our 26 NCAA intercollegiate athletic teams. Overall, approximately 35% of our student body participates.

Coaches and the Senior Athletics staff would like to stress the following:

- The student-athlete's academic program must be their primary focus.
- Student-athletes will not miss classes or labs to attend team practices.
- To participate in athletics, student-athletes must be full-time students (12 credits) and must show satisfactory progress toward graduation.
 - a. A student-athlete may participate in athletics while enrolled in a less than full-time course load only if they are enrolled in the final semester of their baccalaureate program and the institution certifies that the student is carrying (for credit) the courses necessary to complete degree, minor or certificate requirements.
- Students on academic probation are permitted to participate in athletics.

Please discuss these important reminders with your advisees who are student-athletes.

Guidelines for Advising Student-Athletes

1. In general, practices are scheduled for the following time periods: 3:30 – 6:00 pm; 6:15 – 8:15 pm; and 8:15 – 10:00 pm Mondays through Fridays. When possible, **student-athletes should choose morning class times.**
2. Advise student-athletes that it is highly probable that class time will be missed because of departure times for travel to away contests. When this situation arises, strongly encourage your advisee to communicate with their professors well in advance of early departure times.

Specific attendance policies are set by each instructor for their course. *Permission to miss class or lab, due to an away contest, is not automatically granted by a general college policy.* Course absences related to an athletic contest must be approved by each professor prior to participation in that game/match.

3. The spring athletic season is extremely short and inclement weather can create multiple contests scheduled within the same week for a baseball, softball, tennis, golf and/or lacrosse student-athlete. Again, it is very important that the spring sport participant communicate their sport-related needs in a timely fashion to all professors.
4. Post-season play (conference championship and NCAA tournament play) can wreak havoc on a student-athlete's schedule. Student-athletes often don't know if they will be travelling from one day to the next (pending the outcome of a game/match). During such times, student-athletes are encouraged to inform their professors about "playoff time" and the likelihood of any missed classed time. Student-athletes are also encouraged to submit assignments ahead of time when possible.

5. Our fall and spring athletic teams also participate in what is known as a non-traditional season. This season takes place in the opposite semester of the traditional season. During this time frame, teams hold team practices a few days a week to train for their traditional season. Student-athletes are not permitted to miss class for non-traditional season practices or competitions.

NCAA Athletic Teams

Sport	Men/Women	Coach	Start Date
FALL SPORTS			
Field Hockey	Women	Janelle Benner (x3458)	Mid-August
Football	Men	Peter Gallagher (x3351)	Mid-August
Soccer	Men	To Be Determined (x3366)	Mid-August
Soccer	Women	Jeannine Calhoun (x3475)	Mid-August
Volleyball	Women	Cecily Scavicchio Tomeo (x3305)	Mid-August
Cross-country	Men & Women	Carl Blicke (x3457)	Mid-August
WINTER SPORTS			
Basketball	Men	Kevin Small (x3350)	Mid-October
Basketball	Women	Bobbi Morgan (x3103)	Mid-October
Gymnastics	Women	Kim Valenti (x3113)	Mid-September
Indoor Track and Field	Men & Women	Carl Blicke (x3457)	Mid-October
Swimming	Men & Women	Mark Feinberg (x3102)	Mid-September
Wrestling	Men	Joe Jamison (x4419)	October 10
SPRING SPORTS			
Baseball	Men	Kyle Lindsay (x3207)	February 1
Golf	Men & Women	Brad Kane (717-557-9527)	February 1
Lacrosse	Men	Corey Shaffer (x3473)	February 1
Lacrosse	Women	Rachel Howard-Franklin (x3177)	February 1
Softball	Women	Taylor Gardner (x3471)	February 1
Tennis	Men & Women	Pete Smith (610-567-0378)	February 1
Track and Field	Men & Women	Carl Blicke (x3457)	February 1

Ursinus College Athletics

Best days for labs and/or afternoon classes

**Days are listed in order of preference!*

Fall Sports:

Cross Country – Tuesday, Thursday

Field Hockey – Monday, Thursday

Football – Monday, Friday

Men's Soccer – Monday, Thursday

Women's Soccer – Tuesday, Thursday

Volleyball – Monday, Tuesday

Winter Sports:

Men's Basketball – Wednesday, Friday

Women's Basketball – Friday, Monday

Swimming – Tuesday, Thursday

Wrestling – Tuesday (NOT Friday)

Gymnastics – Monday, Wednesday

Indoor Track & Field – Tuesday, Thursday

Spring Sports:

Baseball – Monday, Thursday, Wednesday

Men's Golf – Wednesday, Friday (FALL); Wednesday, Thursday (SPRING)

Women's Golf – Wednesday, Friday (FALL); Wednesday, Thursday (SPRING)

Men's Lacrosse – Monday, Thursday

Women's Lacrosse – Monday, Friday

Softball – Monday, Friday, Wednesday

Men's Tennis – Monday, Tuesday, Friday

Women's Tennis – Tuesday, Thursday

Track & Field – Tuesday, Thursday

The Abele Scholars Program

Contact: Shawn Caven, Director
Sturgis Hall, Office 106
scaven@ursinus.edu
Campus extension: x3082

The Abele Scholars Program is a scholarship that provides not only fiscal aid to the scholars, but programing support, advising from the director, and a community. Scholars receive \$10,000 scholarship per semester, \$2,000 start up funds, \$3,000 enrichment funds, and a loan repayment gift up to \$8,000. Scholars will also learn what it means to be a good citizen and will 'pay if forward' to help those in need. Please contact the director for more information.

First Year Scholars Receive:

- Startup funds: The scholars are entitled to a **'startup fund' of \$2,000** to help first year students with the hidden costs of college. This could be textbooks, a new laptop, dorm supplies, etc.
- Weekly Meetings: First year scholars will also have mandatory weekly advising sessions with the Director to help prepare them for their academic journey.

Abele Scholar Requirements: The following are benchmarks that must be met to stay in the program.

- GPA Requirements (cumulative)
 - 2.0 after their 1st semester
 - 2.3 after their 2nd semester
 - 2.6 after their 3rd semester
 - 2.75 after their 4th semester
 - 3.0 for the remaining 4 semesters
- Must be active participants in the 1st year advising program
 - Scholars cannot miss the weekly advising meetings
- Must attend 4 Abele programs minimum per year
- Must complete a course in US history, US government, Economics, and Public Speaking before graduating
 - American History (approved courses)
 - HIST-125 Defining America
 - HIST-126 Modern US Hist
 - Other Course approved by Director
 - American Politics (approved course)
 - POL-218 – American Government
 - POL 330 – American Political Thought
 - Economics (approved courses)
 - ECON-101 Microeconomics
 - ECON-102 Macroeconomics
 - Other Course approved by Director
 - Public Speaking (approved course)
 - MCS-201 Public Speaking: Speech and Criticism in a Democratic Society
- Community Service Requirement
 - 20 hours of community service per year
 - Internship to be completed before graduation

The W.R. Crigler Program for Student Success

Contact

Ashley Henderson, Director
Wisner Center, Lower Level
ahenderson@ursinus.edu
Campus extension: x3718

The summer prior to a student's first year at Ursinus is a time of both anticipation and preparation. Designed for incoming first-year students, the W.R. Crigler Program brings together students of diverse perspectives.

The Crigler Program (named for Ursinus' first African- American graduate) provides an extraordinary opportunity for incoming first-year students to step closer toward full transition from high school to college. The program begins with a three-week virtual summer experience in July and continues through the fall and spring semesters where students attend weekly study hall sessions, monthly seminars and mentoring with peers and staff. Additionally, students participate in community service projects, connect with Ursinus alumni, become acquainted with Ursinus faculty and facilities, attend leadership workshops, and build peer networks and lasting friendships.

The mission of Ursinus College is "to enable students to become independent, responsible and thoughtful individuals through a program of liberal education. That education prepares them to live creatively and usefully, and to provide leadership in their society in an interdependent world." With these ideals in mind, the Crigler Program, at its core, aims to enrich the academic and personal development of students who are the first of their families to go to college, come from low-income households, or demonstrate interest in multicultural affairs.

The Program's goals are to:

- Enhance participants' exposure to intellectual discourse
- Provide a framework that supports meaningful friendships and active participation in campus life
- Expose participants to a variety of OMS campus partners who are invaluable to student persistence and success

An invitation to Ursinus' W.R. Crigler Program is an opportunity and a privilege; to enroll in the program is to seize the chance to begin college well-prepared.

Crigler Brochure: <https://www.ursinus.edu/live/files/3853-crigler-brochure-2021>

ADVISING STUDENTS WHO ARE EXPLORING MAJORS

SOME COMMON MYTHS ABOUT MAJOR CHOICE

1. The major a student chooses now will determine his/her lifelong career

Many people work in careers that are unrelated to their college major. People change and careers change. Because of this, emphasis should be placed on choosing an area of study that is interesting to the student and fosters development of the transferable skills (e.g., writing, communication, technical, problem-solving, interpersonal) essential for success in a global and diverse workplace.

2. Assessments and inventories are THE answer to helping exploring students decide on a major or career

Tools that assess interests, skills, values, and personality are useful in helping you increase your understanding of majors and career to consider. Assessments should be considered one of many tools available to help with career exploration. A career advisor will help you access reliable and valid assessments and work with you to understand how those tools can inform academic and career decisions.

3. Choosing a major and choosing a career is basically the same thing

These are two separate decisions. A major focuses a student's course of study and allows him/her to develop expertise in a specific discipline. Ideally it is an area of study that the student is passionate about and utilizes his/her strengths and abilities. Students are encouraged to take advantage of experiences such as internships, research, and study abroad to help define his/her career and work interests. Although the student may choose to pursue a career related to his/her major following graduation, s/he should not feel limited. A student's academic achievement, independent learning experiences (e.g., internships, study abroad, research), transferable skills (e.g., communication skills), maturity, and attitude typically are much more meaningful factors that will help a student achieve his/her goals following graduation.

MODEL OF CAREER & MAJOR EXPLORATION

Career advisers and students can work together to initiate an action plan for exploration and decision making. Some students are reluctant to make decisions because they are fearful of making the "wrong" decision while others just don't know where to start. It is important to remember that the decision making belongs to the student. Career advisers are available to guide and support students at every stage of the process, but ultimately the student will need to decide and implement a plan of action. It is important for students to remember that the process requires a commitment of time and energy. The following model can provide you with ideas to help your student get started on exploring options and choosing a major.

1. **Increase Self-Knowledge:** Includes increasing knowledge and understanding of one's interests, skills, values and personality traits.

What a student can do:

A. Reflect on past school, extracurricular, and work experiences. Ask questions such as:

- What activities do I enjoy during my spare time?
- What classes have I most enjoyed?
- What activities do I do well? What have I done in the past that makes me especially proud?
- In what type of classes do I perform best (e.g., lectures, seminars, labs, discussion)?
- What should matter to me?
- What clubs and organizations have I been involved in? What did I like/dislike about these experiences?
- What were my favorite (and least favorite) jobs? Which skills did I particularly enjoy using/developing?

B. Meet with a career adviser in Career and Post-Graduate Development (CPD) to uncover ideas to discuss options, including self-assessment tools.

C. Make informed decisions and test your assumptions through informational meetings with career advisors, professors, alumni, and other engaged in the work or academic program you are considering.

2. **Research Academic/Major Options:** Includes increasing one's knowledge and understanding of academic majors, minors, core requirements, and special opportunities such as study abroad and summer fellows.

What a student can do:

A. Review the College Catalog to identify majors of interest. Get answers to basic questions such as:

- What are the major requirements?
- Who are the faculty in the department?
- Is it possible to double major or complete a minor?
- Given the requirements, would the student expect to do well in this course of study?
- Which courses in the major are most interesting?

B. Talk with faculty who teach in majors of interest. Ask questions about research, courses, internships, etc.

C. Talk with upper class students in the major.

D. Get involved in activities that will facilitate connections with faculty and students who share common interests.

E. Participate in the Major & Minor Expo (annual event that features a gathering of representatives from all majors and minors offered at UC).

F. Participate in the Extern Program over Winter Break.

G. Review the textbooks used in classes related to the major.

H. Take an introductory course in a field of study that is of interest.

I. Review the "What can I do with a Major in" Web links available on the CPD Website.

3. **Research Careers:** Includes increasing one's knowledge and understanding of career/occupational opportunities, and the skills and experiences essential for success in a given field.

What a student can do:

A. Conduct informational interviews with individuals who work in careers of interest. CPD can help students to connect with alumni and employers.

B. Participate in the annual Job, Internship and Networking Fair (an annual event typically featuring more than 80 regional employers in the profit, nonprofit, and government sectors).

C. Consider how your answers to the questions, “What will I do?” and “How should we live together?” and “How can we understand the world?” may impact your future career choice.

4. Understand the Decision-Making Process:

Includes an assessment of decision-making strategies and addressing fears or anxieties students may have about making decisions. A student needs to develop a system to compile, review, and evaluate the information that is gathered on specific majors. A career adviser can assist with this process as well as help the student to identify and address any obstacles that may hinder his/her decision-making ability. These obstacles may include anxiety, personal assumptions, financial concerns, others’ opinions/needs, etc. If a student is encountering obstacles or feeling “stuck,” s/he should be advised to talk with a career adviser in Career and Post-Graduate Development.

5. Take Action and Re-Evaluate:

The next step is for the student to follow through on their decision. As early as spring of first-year, but no later than spring of sophomore year, the student meets with their adviser to declare a major. Students are advised to remember that decision-making is an ongoing process. After declaring a major they will continue to evaluate the decision. As the student takes more classes and gains experiences, they will determine if they made the optimal choice.

Resources

Career and Post-Graduate Development

Bomberger 110

610-409-3599

www.ursinus.edu/career

career@ursinus.edu

Majors & Minors

COB

Department/Program	Major(s)	Minor(s)
African American & Africana Studies		– African American & Africana Studies
American Studies	– American Studies	– American Studies
Animal Behavior	–	– Animal Behavior
Anthropology and Sociology	– Anthropology & Sociology	– Anthropology, Sociology
Applied Ethics		– Applied Ethics
Art & Art History	– Art & Art History	– Art history, Studio Art
Business and Economics	– Economics, Finance,	– Accounting, Economics, Finance, Management Studies
Biochemistry and Molecular Biology (BCMB)	– BCMB	–
Biology	– Biology	– Biology, Biodiversity and Wildlife Conservation, Marine Science; Science and the Common Good
Chemistry	– Chemistry	– Chemistry
Classical Studies		– Latin, Classical Studies
Comparative and Global Literatures		– Comparative and Global Literatures
Data Analytics	–	– Data Analytics
Digital Studies	–	– Digital Studies
East Asian Studies	– East Asian Studies	– East Asian Studies
Education	– Educational Studies	– Education
English and Creative Writing	– English, Creative Writing	– English, Creative Writing
Entrepreneurial Studies	–	– Entrepreneurial Studies
Environment and Sustainability	– Environmental Studies	– Environmental Studies, Applied Sustainability, Biodiversity and Wildlife Conservation, Climate Change, Earth & Environmental Science, Environmental Justice, Food Studies, and Marine Science
Film Studies		– Film Studies
Food Studies		– Food Studies
Gender, Women's & Sexuality Studies		– Gender, Women's & Sexuality Studies
Health Sciences	– Health Sciences	– Coaching, Health Science
Health and Society	– Health and Society	– Health and Society
History	– History	– History
International Relations	– International Relations	– International Relations
Latin American Studies		– Latin American Studies
Mathematics, Computer Science, and Computer Science	– Mathematics, Statistics – Computer Science	– Mathematics, Computer Science, Biostatistics, Statistics, Computational Biology
Marine Science		– Marine Science
Media & Communication Studies (MCS)	– MCS	– MCS
Museum Studies	–	– Museum Studies
Modern Languages	– French – German – Spanish	– French, German, German Studies, Japanese, Spanish, Chinese, Chinese Studies
Music	– Music	– Music
Neuroscience	– Neuroscience	– Neuroscience
Peace & Social Justice Studies		– Peace & Social Justice
Performing and Visual Arts Technology and Design	– Performing and Visual Arts Technology and Design	– Performing and Visual Arts Technology and Design

Philosophy & Religious Studies	- Philosophy, Religious Studies	- Philosophy, Religious Studies
Physics	- Physics	- Physics
Politics	- Politics	- Politics
Psychology	- Psychology	- Psychology
Theater & Dance	- Theater - Dance	- Theater, Dance

Student-Initiated Majors (SIM)

Students who complete the first year and whose major interests span two or more recognized academic fields may propose a specialized major which combines these fields. Students must have a cumulative B average (3.00) or above to be considered. The self-initiated major must be approved by both the appropriate departments and the Dean's Office. The student is advised to meet with the appropriate department chairs to discuss and obtain approval for the proposed major. After obtaining support from the departments, the student must submit to the Dean's Office a written proposal which outlines all courses and major requirements. Upon successful completion of the major requirements so specified, the student will graduate in the subject field indicated on the program proposal.

URSINUS QUEST: THE OPEN QUESTIONS CORE CURRICULUM

The Open Questions curriculum is built around four questions that everyone confronts: *What should matter to me? How should we live together? How can we understand the world? What will I do?* One of the great rewards of a liberal arts education is the chance to engage these questions fully, seriously, intentionally, as part of an intellectual community. Together with professionals and scholars in all fields of knowledge, students explore these four questions from many different points of view, considering multiple answers and their meanings. Through grappling with these four questions, students prepare themselves to live thoughtfully and deliberately as human beings and as citizens.

For most students, the Core will be between 11 and 14 courses (44-), representing slightly more than one-third of the 128 credits needed for graduation. The official version of the Core can be found in the Ursinus College Catalog. The Core requirements and the courses that satisfy these requirements have been approved by the Ursinus College faculty.

SUMMARY OF CORE REQUIREMENTS:

Question 1: What should matter to me?

- CIE 1
- CIE 2

Question 2: How should we live together?

Three courses. One course satisfying each of the following learning goals. No more than two can be taken within a student's major department.

- Engage diversity and inequality (D)
- Examine global interconnections (G)
- Consider obligations (O)

Question 3: How can we understand the world?

- Linked Inquiry (LINQ) (see the **Linked Inquiry** explanation below)

One course satisfying each of the Ways of Asking requirements:

- Artistic/performative (A)
- Deductive reasoning (R)
- Humanistic inquiry (H)
- Quantitative reasoning (Q)
- Scientific inquiry/experimentation (S)
- Social scientific inquiry (SS)

And two courses, both in the same language, satisfying the requirement:

- Understanding the world through foreign language 1 (L)
- Understanding the world through foreign language 2 (L)

Question 4: What will I do?

- Experiential Learning Project (XLP) (see **Experiential Learning** explanation below)
- Core Capstone (CCAP) (see **Core Capstone** explanation below)

ADVISING NOTES ON THE CORE:

Scheduling notes: Students should ideally plan on taking Linked Inquiry (LINQ) courses in their first or second year at Ursinus and Core Capstones (CCAP) in their third or fourth year. A continuously updated list of Linked Inquiry courses being offered in the current semester, as well as a list of interdisciplinary minors that meet the LINQ requirement, can be found via the LINQ information page. A similar list of Core Capstones can be found via the CCAP information page. Please note that many LINQ and CCAP courses are initially piloted as special topics courses. Links:

- [Linked Inquiry \(LINQ\)](#)
- [Core Capstone \(CCAP\)](#)

CIE: CIE 100 is not a pre-requisite to CIE-200.

Foreign language: Courses in the following languages may be taken to complete the requirement:

Arabic	German	Latin (Classics)
Chinese	Greek (Classics)	Spanish
French	Japanese	

- All students **must** take a placement test before enrolling in a language course.
- **IDS120 (Intro to US Culture)** may be substituted for international students who are non-native speakers. It provides an introduction to the structure and style of American Academic English. This one 4-credit course satisfies the foreign language requirement for eligible students. For questions about eligibility, please contact the Department of Modern Languages and/or Paula Alvarez, International Student Advisor (ext. 4439).
- Courses listed as **ML-100, 110, 200, 111, and 300 do NOT satisfy** the foreign language requirement but may do so upon successful student petition (see catalog).
Note: this language reflects the change approved by the faculty on April 27.
- Students who wish to complete the foreign language requirement with a language not offered at Ursinus should consult with the Chair of the Department of Modern Languages.
- Courses that fulfill the Foreign Language requirement are designated with an **(L)** in the Catalog.

The **Artistic/performative requirement:** One three- or four-credit course (or four credits) in art, music, theater, or dance. Selected Creative Writing and Media Production Courses also fulfill this requirement. Please consult the Catalog for additional information on specific courses. Courses that fulfill the art requirement are designated with an **(A)** in the College Catalog.

The **Deductive reasoning requirement** may be fulfilled by most mathematics courses (see the Mathematics Placement Section for more information) or PHIL-260 (Logic). Courses that fulfill the Deductive reasoning requirement are designated with an **(R)** in the Catalog.

The **Humanistic inquiry requirement** may be fulfilled by a choice of courses offered through various departments including:

Classics	Media & Communication Studies (Selected Courses)
East Asian Studies	Modern Languages (Courses 201 and higher)
English	Philosophy & Religious Studies
Film Studies	Theater & Dance
History	

- Courses that fulfill this requirement are designated with an **(H)** in the Catalog. **Please note that not all courses offered in these departments fulfill the requirement.** Please consult the Catalog for additional guidance and information on specific courses.

The **Quantitative reasoning** requirement helps students enhance their skills in working with quantitative methods and numerical data. Courses that fulfill the Quantitative reasoning requirement are designated with a **(Q)** in the Catalog. Most lab science and mathematics courses, but not all, meet this requirement.

The **Scientific inquiry/experimentation** requirement may be fulfilled by a broad choice of courses offered through various departments including biology, biochemistry, chemistry, environmental studies, neuroscience, physics, and computer science. Courses that fulfill this requirement are designated with an **(S)** in the Catalog.

The **Social scientific inquiry** requirement explores the complex relationship of the individual and society. This requirement may be fulfilled by a broad choice of courses offered through selected courses in various departments including:

Anthropology	Neuroscience
Business & Economics	Politics & International Relations
Education	Psychology
Media & Communication Studies	Sociology

- Courses that fulfill this requirement are designated with an **(SS)** in the Catalog.

Question two: *How should we live together?* Three courses. For this requirement, one course emphasizes themes of equality, inequality and diversity **(DN)**, one emphasizes global interconnections **(GN)**, and one examines obligations between people and groups **(O)**. **No more than two may be in the student's major.** Courses from a wide range of programs may fulfill these requirements. For specific information, please see the Ursinus College Course Catalog.

Linked Inquiry requirement: As they work with the third question, *How can we understand the world?* students come to understand that our understanding grows and takes shape through a range of lenses and perspectives. Depending on what it is we seek to know, different questions will be more or less appropriate. Linked Inquiry places these differences at the center of the discussion. With Linked Inquiry, students reflect on the significance of different modes of inquiry and diverse disciplinary approaches, even to consider the very meaning of a discipline. With this goal, the focus of Linked Inquiry courses must be broad and substantive enough to invite sustained inquiry from a variety of perspectives. Through this cross-pollination students can gain clarity about the kind of knowledge a discipline can provide as well as those matters that exceed disciplinary expertise. Because they make explicit the need to reflect on the meaning of diverse disciplines, Linked Inquiry courses can provide deliberate intellectual breadth.

Linked Inquiry satisfied by completing one of the following:

- Any course designated LINQ in the catalog; typically these are team-taught courses
- Paired courses (in most cases, students must register for both courses simultaneously)
- Completion of an approved interdisciplinary minor

Note: the EAS major fulfills the LINQ requirement.

Experiential Learning requirement:

Students explore the question: *What will I do?* in the Experiential Learning Project (XLP) by completing an immersive experience in one of the following categories:

- an independent research program or a creative program (including but not limited to honors or Summer Fellows);
- an internship;
- an approved study abroad program;
- student teaching;
- civic engagement;
- for pre-engineering students, successful completion of the first of two years at the engineering school.

Core Capstone requirement:

The four questions, far from being abstractions, represent living inquiries into real situations. Each of us confronts them, in large and small ways, throughout our lives. In facing these dilemmas, there is no single method that will guide us to a correct answer. We approach such decisions best when we can approach them with openness, thoughtfulness and deliberateness. An Ursinus education introduces students to a way of life informed by this approach. Core Capstone Courses are the culmination of this introduction.

In Core Capstone courses, students grapple with works that illuminate the foundations of their thinking. Through these works, students see that others have thought deeply and differently about the questions that face them, and that they can profit in a concrete way from further study of such works. In appealing to students' deepest concerns, this insight provokes students to ongoing reflection, after their college years, in all aspects of their lives.

Focusing especially on the Core's fourth question—*What will I do?*—Core Capstone courses examine how theoretical controversies play out in practice. Whatever the course's specific theme, it asks students to articulate and defend decisions they would make regarding the issues raised by that theme. The Core Capstone courses thus reflect the Core's aim that students come to understand inquiry about human good as not merely a theoretical, academic matter but central to a well-lived life. The Core Capstone culminates the introduction to this life and launches students into the world to live it.

Satisfied by completing:

- Any course designated CCAP

CORE CHECKLIST FOR ADVISERS

URSINUS QUEST: OPEN QUESTIONS OPEN MINDS

Question 1: What should matter to me?

REQUIREMENT	FULFILLED BY (COURSE)	SEMESTER TAKEN
CIE I		
CIE II		

Question 2: How should we live together?

REQUIREMENT	FULFILLED BY (COURSE)	SEMESTER TAKEN
DN Engage diversity and inequality		
GN Globally interconnected world		
O Examine obligations		

Question 3: How can we understand the world?

REQUIREMENT	FULFILLED BY (COURSE)	SEMESTER TAKEN
A Artistic expression/performance		
H Humanistic inquiry		
L Foreign Language (<i>semester 1</i>)		
L Foreign Language (<i>semester 2</i>)		
Q Quantitative reasoning		
R Deductive reasoning (<i>was M Math</i>)		
S Scientific inq./experimentation		
SS Social scientific inquiry		

LINQ Linked Inquiry requirement met: _____

Question 4: What will I do?

REQUIREMENT	FULFILLED BY (COURSE)	SEMESTER TAKEN
CCAP Core Capstone		
XLP Experiential Learning		

SUMMARY OF DOUBLE-COUNTING RULES

Can a course that counts as → also count as ↓	Question 2 (DN, GN, O)	Question 3 (A, H, L, Q, R, S, SS)
Question 2 (DN, GN, O)	No. Example: a course cannot count as a DN and a GN simultaneously.	Yes. Example: a course can count as a DN and an SS simultaneously.
Question 3 (A, H, L, Q, R, S, SS)	Yes. Example: a course can count as a DN and an SS simultaneously.	Yes. Example: a course can count as an A and an H simultaneously.

AP & Transfer Credits

ADVANCED PLACEMENT AND TRANSFER CREDIT FROM OTHER COLLEGES

Students may obtain transfer credit and/or advanced placement (AP) credit and thus be exempted from certain courses in a number of ways. If you have questions about these options, please contact the Registrar, Barb Boris, at ext.3605.

1. Transfer Credit for college courses taken during high school

Courses taken previously at another college are evaluated for transfer by the Registrar. Requirements for the course to be considered for transfer:

- The final grade earned was a C or better.

The Registrar determines which Ursinus course is comparable when awarding transfer credit. If credit is for a course for which there is no comparable course at Ursinus, it is transferred as "free" credits (e.g., Sociology - 6 credits, free). Credit is transferred, not grades. Thus the grade received for a course taken elsewhere does not enter into computation of the student's GPA.

Please note: If a student wants to take a course at another college or university and transfer credit to Ursinus after matriculating as an Ursinus student (e.g., summer after the first year), the course must be **pre-approved** for transfer by the Registrar.

2. International Baccalaureate

Students who have obtained the IB may receive up to one year of college credit. The exact number of credits and the equivalents in the Ursinus curriculum are determined by the Registrar and the relevant departments. No credit is given for Subsidiary level exams. Scores of 5-7 are considered for credit in the Higher level exams.

The following chart specifies credits awarded in the past for IB Diploma Programme subjects. Additional subjects may be reviewed for awarding of credit.

Diploma Programme Subject	HL Score	UC Course(s) Awarded	Credits
Biology	5-7	BIO-150	4
Chemistry	5-7	CHEM-100Q	4
English A: Literature	5-7	ENGL-104W	4
French B	5-7	FREN-201	4
History	5-7	HIST-CRED (free elective credit)	4
Physics	5-7	PHYS-CRED (free elective credit)	4
Psychology	5-7	PSYC-100	4
Spanish B	5-7	SPAN-201	4

2. Advanced Placement - Required Scores & Courses Equivalencies

Students may earn credit for college courses through the Advanced Placement (AP) Program, depending on the score earned. As you know, AP is a nationalized program with specially trained instructors, and a standardized curriculum and testing program. A student's score on the standard test may be from 1 to 5, with a 5 being equivalent to an A. The following chart specifies the score each department will accept for AP credit and the course equivalent.

Name of AP Examination	Score	UC Course(s) Awarded	Credits
United States History	4 or 5	History Free Credits – 100 level	4
Art History	4 or 5	ART 150 and 160	8
Drawing	4 or 5	ART 101	8
Biology ¹	4 or 5	BIO-150	4
Chemistry	4	CHEM 100Q	4
Chemistry ²	5	CHEM 100Q, CHEM Free Credits OR CHEM 107/107LQ, 108/108L	8
Chinese	5	Chinese 111 and 112	8
Computer Science A	4 or 5	CS 173	4
Computer Science AB	4 or 5	CS 173 and four CS Free Credits (CS-000)	8
Computer Science Principles	4 or 5	See below	4
Economics: Microeconomics	4 or 5	ECON 101	4
Economics: Macroeconomics	4 or 5	ECON 102	4
English Language & Composition	4 or 5	ENGL Free Credits – 000 level	4
English Literature & Composition	4 or 5	ENGL 104W	4
Environmental Science	4 or 5	ENV Free Credits	4
European History	4 or 5	History Free Credits – 100 level	4
French Language	4 or 5	French 201 and 202	8
German Language	4 or 5	German 201 and 202	8
Government & Politics: United States	4 or 5	Politics 218	4
Government & Politics: Comparative	4 or 5	Politics 242	4
Japanese	5	Japanese 111 and 112	8
Latin: Vergil	4 or 5	Latin 201 and 202	8
Latin: Horace	4 or 5	Latin 201 and 202	8
Calculus AB (including the AB sub score of the BC test)	4 or 5	Math 111	4
Calculus BC	4 or 5	Math 111 and 112	8
Statistics	4 or 5	STAT 141Q	4
Music – Listen/Literature	4 or 5	Music 100	4
Music Theory	4 or 5	Music 100	4
Physics 1: Algebra-Based	4 or 5	PHYS-111Q	4
Physics 2: Algebra-Based	4 or 5	PHYS-112Q	4
Physics B W score	4 or 5	Physics Free Credits	8
Physics C- Mechanics ³	4 or 5	Physics 111Q	4
Physics C- Electricity & Magnetism	3	Physics Free Credits	4
Physics C- Electricity & Magnetism ³	4 or 5	Physics 112	4
Psychology	4 or 5	Psychology 100	4
Spanish Language	4 or 5	Spanish 201 and 202	8
Spanish Literature	4 or 5	Spanish 251 and 252	8
World History: Modern	4 or 5	History Free Credits – 100 level	4

Advising Notes for AP Credits

1. Biology (Score of 4 or 5 on the AP Exam is required)

Students who earn a 4 or 5 on the Advanced Placement Biology Exam will be awarded credits for BIO-150.

- Students who intend to major in Biology or BCMB, or intend to take Biology courses at or above the 200 level are **REQUIRED** to take BIO-101Q and BIO-102Q at Ursinus. Credits earned for BIO-150 do not count toward the major.
- Pre- med students who are not Biology or BCMB majors and do not intend to take Biology courses at or above the 200 level are **strongly encouraged** to complete both BIO-101Q and BIO-102Q at Ursinus.
- BIO-150 also fulfills the lab science core requirement.

2. Chemistry

- Students intending to major in Chemistry are strongly encouraged to talk with Amanda Reig or Eric Williamsen about the options for credit awarded for AP Chemistry. In some instances, credit for CHEM 107/107L and 108/108L may be awarded.

3. Physics

- Students intending to major or minor in Physics must take Physics 121/122 even if they receive credit for Physics 111/112.

4. Environmental Science

- The ENV Free Credits awarded to students who earned a 4 or 5 on the Environmental Science AP exam will also fulfill the Scientific Inquiry (S) core requirement.

5. Computer Science Principles

- Students receiving a 4 or 5 on the Computer Science Principles exam should meet individually with a computer science faculty member for their credit transfer determination.

Villanova University and Ursinus College
Course Equivalencies for Prerequisites for the BSN Express Program

Villanova University Prerequisites		Ursinus College Equivalent Course		
PHYSICAL SCIENCE COURSES				
BIO 1205	Anatomy & Physiology I	4 credits	BIO 205 or HS 205 or BIO 305	4 credits
BIO 1206	Anatomy & Physiology II	4 credits	BIO 206 or HS 206 or BIO 306	4 credits
BIO 1181	Microbiology or Genetics	3 credits	BIO 345 or BIO 201W;	4 credits
CHM 1134/1108	General Chemistry II	4 credits	CHEM 206 Gen CHEM II; OR CHEM 108 Gen CHEM II; OR CHEM 151; or CHEM 347 Biochemistry	4 credits
NUR 3108	Pathophysiology*	3 credits	HS 313 Human Pathophysiology	4 credits
NTR 2120	Principles of Nutrition	3 credits	HS 334 Nutrition	4 credits
MAT 1250	Stats in Healthcare Research	3 credits	MATH 141Q (Stats I); STAT 243 (Bio Stats)	4 credits
	Science Elective (BIO or CHEM pref.), w/lab	4 credits	Several options at U.C. that can be reviewed	
SOCIAL BEHAVIORAL SCIENCE COURSES				
PSY 1000	Intro to Psychology	3 credits	PSYC 100 Intro to Psychology	4 credits
PSY 3200	Developmental Psychology (Lifespan: Birth to Death)	3 credits	PSYC 240 Lifespan Development	4 credits
SOC 1000	Intro to Sociology	3 credits	SOC 100 Intro to Sociology; SOC 298/HS 298 Sociology of Health & Illness	4 credits
Social Studies Elective—any 3-credit course in <i>History, Political Science, Economics, Psychology, Anthropology, or Sociology</i>		3 credits	Several listed in U.C. catalog	4 credits
HUMANITIES				
PHI 1000	Intro to Philosophy	3 credits	PHIL 100 Intro to Philosophy; or PHIL 106 The Meaning of Life; or PHIL 240 Ethics; or CIE 100 Common Intellectual Experience I	4 credits
THL 1000	Faith, Reason & Culture	3 credits	PHIL/RELS 220 Philosophy of Religion; or RELS 211 World Religions; or RELS 212 What is Religion; or other RELS course	4 credits
	The Literary Experience	3 credits	Several ENGLISH courses in U.C. catalog	4 credits
	Humanities Electives **	9 credits	Several HUMANITIES courses in U.C. catalog. Also, 3 credits of CIE 200 may be used for humanities credits	9 credits
<p>*PATHOPHYSIOLOGY is a required prerequisite (NUR 3108 Pathophysiology at Villanova is the course name) - 3 credits. This course may be completed at Ursinus College (HS 313 Human Pathophysiology); it may be taken at Villanova University in the spring semester before an Ursinus student begins the BSN Express program; OR it may be completed at another regionally accredited institution. Please inquire for a list of Pathophysiology courses which have been accepted in the past with a final grade of a C or above.</p> <p>**Humanities include: Foreign language; Art; Music; Communications; English Literature and CIE 200 Common Intellectual Experience II may also be used for a 3-credit humanities elective for Ursinus students who have taken both CIE 100 and CIE 200.</p>				

PLACEMENT TESTING & ADVISING GUIDELINES

Chemistry Placement

CHEMISTRY PLACEMENT ADVISING NOTES

GENERAL CHEMISTRY CHEM-107/107LQ and ADVANCED GENERAL CHEMISTRY CHEM-151/151LQ

Department Contacts

Eric Williamsen

ewilliamsen@ursinus.edu

Pfahler 313C

Campus Extension: x3413

Fall General Chemistry Courses Offered:

- CHEM-107/107S/107LQ – lecture, recitation, and lab for students with **little background** in chemistry
- CHEM-107/107LQ – lecture and lab for students with **average** science background
- CHEM-151/151LQ – lecture and lab for students with **AP chemistry or equivalent background**

Chemistry Placement Test & Survey Information

First-year students who plan on taking CHEM-107 or 151 while at Ursinus have been instructed to take **both** the **chemistry placement survey** and the **general chemistry placement exam**. However, if your advisee has not, please remind him/her to complete it as soon as possible. **The student will not be enrolled in a general chemistry course until the exam and survey are completed!**

Instructions for accessing the Chemistry Placement Exam and Survey:

- Visit the [Placements](#) page of the Ursinus website.
- Click the link "Please consult your admissions portal for individual links to the Placements" to begin. (username and password required).
- The **survey** will ask students questions about their chemistry and mathematics backgrounds and their confidence in these areas.
- The **chemistry placement exam** will ask them to answer 25 questions. A link to a Periodic Table (which they can use for their exam) will also be available.

Criteria for Placement

Placements are made by the **Chemistry Department** and are based on the following:

- Scores on the placement exam
- Chemistry and mathematics background Responses to the Chemistry Survey

Registration/Advising Guidelines

1. **If your student is placed in CHEM-151(L), register her or him for CHEM-151 and CHEM-151LQ.** Like the system of modern language placement, CHEM-151/151LQ students will have an opportunity to move to CHEM-107/107LQ if it is determined that this would be a better placement.
2. Do not sign-up students for a particular section of CHEM-107/107L. You may offer a suggestion although the Registrar will do the final placement into a particular section. The Chemistry Department plans on having at least one section of CHEM-107 that will have one hour of mandatory recitation (CHEM-107S) in addition to the three class meetings to help students who have poorer chemistry and problem-solving backgrounds. A student will be placed in one of the two recitation sections: Tu 1:30 to 2:20 or Tu 3:00 to 3:50. If the student's placement is in recitation, place the student in CHEM-107-D for the class meeting and the Registrar will place the student into a lab section. Students in the "recitation" section cover the same

material as the other CHEM-107 sections and will be ready to take any classes for which CHEM-107 is a prerequisite.

3. Students taking general chemistry must sign up for both a three-credit lecture and corresponding one-credit laboratory. If a student drops the lecture course, he or she must also drop the lab course.
4. Students with high AP chemistry scores (i.e., 4 or 5) should take the credits, if they wish. Students who have a "5" score have the option of obtaining eight credits either as CHEM-100Q and four, free chemistry credits, or CHEM-107/107L and 108/108L. If the student takes credit for CHEM-107/107L and 108/108L, the student will not take general chemistry at Ursinus and will start taking chemistry in CHEM-207/207L (Organic Chemistry I) in the Fall Semester. We believe students generally will be better off taking the credits as CHEM-100Q and four, free chemistry credits and enrolling in CHEM-151/151L in the Fall Semester, but we have also had students be successful taking the CHEM-107/107L and 108/108L option. If a student has questions about AP credits, please direct him/her to Amanda Reig or Eric Williamsen.
5. Potential chemistry majors, biology majors, biochemistry/molecular biology majors, and students who are pre-health are advised to take CHEM-107/107L or CHEM-151/151LQ in the Fall Semester of their first year.
6. Remind students who take CHEM-107/107L or CHEM-151/151LQ that these courses require a great deal of effort and organization to succeed. Many students rely on their memory skills—they cram for chemistry exams and do not do well and end up dropping or failing. To be successful in chemistry, students also must use their problem-solving skills. Remind students that these courses meet at least three hours per week, so that is 9–12 hours (minimum) they should devote to chemistry on a weekly basis!
7. In the spring, most students continue with CHEM-108/108L, General Chemistry II with lab.
8. Please contact **Eric Williamsen, ext. 3413**, if you have any questions.

Foreign Language Placement

FOREIGN LANGUAGE PLACEMENT GUIDELINES

Chair Information

Chisu Teresa Ko, Department Chair
tko@ursinus.edu
Olin 213
Campus Extension: 4578

Phi Beta Kappa Note: Beginning in spring 2015, students must have at least two semesters of a Foreign Language at the intermediate level to be eligible for election to Phi Beta Kappa. This requirement was approved by The Phi Beta Kappa Society as a whole. While this does not mean a student must take four semesters of a Foreign Language, the requirement as stated in the Stipulations for Membership includes: "in no case shall a student with only beginning coursework in a Foreign Language be eligible for election."

Foreign Language Requirement (two courses in the same language)

- **Two semesters of the same foreign language** (modern or classical). Courses in the following languages may be taken to complete the requirement:

Arabic	German	Spanish
Chinese	Japanese	
French	Latin (Classics)	

- **IDS-120 (Introduction to American Culture for International Students), if offered**, may be substituted for international students who are non-native speakers. It provides an introduction to the structure and style of American Academic English. This one 4-credit course satisfies the foreign language requirement for eligible students. For questions about eligibility, please contact the Chair of the Department of Modern Languages or Paula Álvarez, International Student Advisor (ext. 4439).
- Courses listed as **ML-XXX do not normally satisfy** the foreign language requirement. Please see catalog for further information.
- Students who wish to complete the foreign language requirement with a language not offered at Ursinus must consult with the Chair of Modern Languages to discuss options. In some cases, the Chair may need to consult with the Dean's Office before rendering a final decision.

ONLINE FOREIGN LANGUAGE PLACEMENT

All students will complete the **online foreign language placement** prior to Orientation. Please do not register advisees without placement results.

The **online foreign language placement** has two parts: [The Foreign Language Questionnaire](#) and the Placement test:

- All students must complete the Foreign Language questionnaire.
- Students who plan to continue studying French, German, or Spanish must take the Placement test.
- Students starting a new language and those who are opting to take Arabic, Chinese, Japanese, or Latin do not take the Placement Test.

Placement for **French, German, and Spanish** is based on:

- the results of the Placement test and the information provided on the Foreign Language questionnaire.
- Please note that students continuing with French, German, or Spanish cannot be appropriately placed until both the Foreign Language Questionnaire and the Placement Test are completed by the student.

Placement in **the rest of the languages** is based on:

- the information provided on the Foreign Language questionnaire,
- and, if needed, the assessment of the instructor.

Foreign language placement results will be available on Slate. If any of your advisees did not complete the survey or test prior to orientation, please direct them to contact the Institute for Student Success.

The Department of Modern Languages does its best to place first-year students at the appropriate levels, taking into account both the test results and the responses to the questionnaire. Please register your students as placed.

ADVISING GUIDELINES

Most students continue the study of the language that they studied in high school. However, students interested in starting a new language should not be discouraged.

1) Latin (Latin is taught through the Classics Program)

The Classics Program recognizes that individual achievement varies, as well as the rigor of high school courses. It is possible that placement of a particular student should be at a higher or lower level compared with the above norms. If you have questions, please consult with the Chair of the Classics.

2) French, German, Spanish

- The Modern Languages Department will determine placement for all students who completed the foreign language placement prior to Orientation. This placement will be available in Qualtrics. If students submit their placement materials after Orientation, the placement results will be available as soon as possible on Slate. If you have questions about late placements, please consult with the Chair of Modern Languages.
- Modern Languages faculty, including the Chair, will be available during Orientation to answer questions about placement.
- The placement of a particular student may be reviewed during the first 2 weeks of classes, if needed. Changes may occur only with the permission of the instructor and the Department Chair for Modern Languages.
- Only under **the most unusual circumstances** will students with three years of study of one foreign language be placed in the beginning level (101) of the same language.
- Under no circumstances will students with four years of study of one foreign language be placed in the beginning level of the same foreign language.
- Students with five or more years of study of one foreign language will not be placed lower than the 201 level, regardless of the score on the placement test.
- Note that SPAN-100 is elementary Spanish for “absolutely beginners” with no prior study. SPAN-101 is elementary Spanish for “high beginners” with some prior study.
- 200-level Courses in **French, German, and Spanish:**
 - **201 and 202** are courses aim to develop speaking and writing skills. Oral presentation, class participation and written compositions are emphasized in a supportive classroom environment.

- **251 and 252** are literature and culture courses with a focus on readings and discussion. They are considered more advanced courses than conversation and composition (please note that the prerequisite to these classes is the 201 or 202 course, first-year placement, or permission of the department).
- Consult the Department of Modern Languages if you have a student with an exceptionally strong background in a language, including many heritage speakers.
- As there are presently no placement tests for Arabic, Chinese or Japanese, placement will be based on the Foreign Language questionnaire. Placements will be checked during the first two weeks of the semester to make sure that they are appropriate.

Mathematics Placement

MATHEMATICS PLACEMENT NOTES

DEPARTMENT CONTACT:

Lisa Grossbauer
 Pfahler 101D
 lgrossbauer@ursinus.edu
 Campus Extension: 3012

CORE MATH REQUIREMENT:

One course in deductive reasoning is required for the Core (R). Courses with the **MATH** and **STAT** prefixes fulfill the College Core deductive reasoning requirement (R). Below lists the courses most commonly used to fulfill this requirement.

EVERY INCOMING STUDENT IS REQUIRED TO COMPLETE THE MATH PLACEMENT, EVEN IF THE STUDENT DOES NOT PLAN TO TAKE CALCULUS.

COURSES MOST COMMONLY USED TO FULFILL THE COLLEGE'S MATH REQUIREMENT

Course	Semester(s) Offered	Prerequisites
MATH-110 Pre- Calculus	Fall	Calculus Placement
MATH-111 Calculus I	Both	Calculus Placement
MATH-112 Calculus II	Both	Math 111 or Calc. Placement
MATH-211 Multivariable Calculus	Both	Math 112 or Calc. Placement
STAT-140Q Statistical Reasoning	Both	None (basic algebra from HS)
STAT- 141Q Statistics I	Both	None (basic algebra from HS)
PHIL/MATH- 260 Logic	Spring	None

IMPORTANT ADVISING REMINDER

Certain MATH and/or STAT courses may be better choices for the student's academic interests, background, and skills.

CALCULUS

Place a student in a calculus course if the student:

- Might consider a major that **REQUIRES/recommends** calculus (see chart below), OR
- Is interested in taking calculus **OR**
- **Expresses an interest in graduate school programs that require calculus (note that MBA programs and graduate programs in Economics usually require at least two semesters of calculus)**

If a student places into Pre-calculus and they are intent on a major not requiring Calculus or STAT 141Q, then the student will be best served by taking STAT 140Q for their (R) core requirement.

Every student is required to complete the math placement, which will be used to determine the appropriate placement in a calculus course (MATH110, 111, 112, or 211).

STATISTICS

STAT-141Q (Statistics I) is required/recommended for selected majors in the sciences or the social sciences (see chart below). It prepares students to carry out basic descriptive and inferential statistical methods.

STAT-242Q (Statistics II) is recommended for selected majors that require data analysis in support of their own research and/or for review of literature in the field.

STAT-243Q.W (Biostatistics) is recommended for students in the physical and life sciences (Biology, Chemistry, Neuroscience, Health Sciences, Psychology).

STAT140Q (Statistical Reasoning) is intended for students who want an appreciation of statistics, but do not imagine that they will need to carry out advanced statistical analyses. This is most likely the best option for those students who need to fulfill their (R) requirement who would prefer a more practice-based approach (as opposed to theoretical) to statistics or who are otherwise concerned to be taking a math/statistics course.

MAJORS WITH RECOMMENDED OR REQUIRED MATH COURSE(S):

For additional information, please see the College Catalog.

Majors	Math Requirements
Anthropology & Sociology	– STAT- 141Q
Biology	– Any two of the following: MATH-111 ⁽¹⁾ , 112 ; STAT-141, 242, 243; CS-173 – If a biology student places out of MATH-111, the student still needs to take 2 courses from the list
BCMB	– MATH-112 ⁽²⁾
Chemistry	– MATH-112 ⁽²⁾
Computer Science	– MATH-236 and one additional mathematics or statistics course numbered 112 or higher (excluding Stat140 and Phil/Math260)
Business & Economics	– STAT-141Q (required for the Major in Applied Economics) – MATH-111 & 112 (recommended for those considering MBA or other graduate programs)
Environmental Studies	– STAT-141Q can count as one ENV elective (not required and not recommended)
Health Sciences	– STAT-141Q – MATH-111 ¹ (recommended for those considering graduate study in allied health programs, but not required)
Media & Communication Studies	– STAT-141Q (recommended, but not required)
Neuroscience	– STAT-141Q; 242 or 243, and CS-173 (Recommended for those seeking admission to biologically related graduate programs, but not required)
Physics	– MATH-112 ⁽²⁾ , CS173
Philosophy	– PHIL/MATH-260 Logic
Psychology	– STAT-141Q and 242 (recommended for those considering graduate study, but not required)

(1). Students who are not qualified to take MATH-111 must take MATH-110 prior to MATH-111.

(2). Students who are not qualified to take MATH-112 must take MATH-111 prior to MATH-112. Students who place into Math-112 but do not have AP-Calculus BC credit should not receive credit towards the major. The math placement exam is an assessment tool for placement not for credit. The AP exams are the proper mechanism used for awarding credit for Math 111 and Math 112.

PLACEMENT INTO STATISTICS:

Advanced Placement Credit for Statistics

AP Exam	Earned Score	Earned credit at Ursinus for
Advanced Placement Statistics	4 or 5	STAT-141Q

- **A student should be placed in STAT-242 (Statistics II) or STAT-243 (Biostatistics)** if the student completed an AP statistics course or equivalent course in high school, regardless of their outcome on the AP exam. Students should take the mathematics placement to determine the appropriate course.
- **A student may be placed in STAT-141Q (Statistics I)** if the student had little or no exposure to statistics in high school. It is intended primarily for students in the sciences and social sciences. The prerequisite for STAT-141Q is basic algebra. The successful student is one who is interested in quantitative analysis, is able to use analytical approaches, and is comfortable with mathematical formulas.
- **A student may be placed in STAT-140Q (Statistical Reasoning)** if they want an appreciation of statistics and will not need to carry out advanced statistical analyses. It is typically recommended for students in the Humanities and Arts. *It cannot be taken for credit after or concurrently with any other statistics course, including AP Statistics.*

PLACEMENT INTO CALCULUS:

Advanced Placement Credit for Calculus

AP Exam	Earned Score	Earned credit at Ursinus for
Advanced Placement AB Calculus	4 or 5	MATH-111
Advanced Placement BC Calculus	4 or 5	MATH-112

Recommended Calculus Placement Course

THE MATH & CS DEPARTMENT WILL PROVIDE A RECOMMENDED CALCULUS COURSE FOR EACH STUDENT.

A student cannot enroll for a calculus class without completing the Math placement.

If a student is concerned that the calculus level placement is too high or too low, encourage the student to attend class the first week and talk with the professor. Try to arrange a schedule so that a change from the higher level to the lower level (or vice versa) is possible without additional disruption to the student's schedule.

For special circumstances and for questions, please contact a member of the Department of Mathematics and Computer Science.

**DEPARTMENT PROGRAMS
OF STUDY**

African American & Africana Studies

AFRICAN AMERICAN AND AFRICANA STUDIES (MINOR)

Program Coordinator

Patricia Lott
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Olin 321

Overview

The African American and Africana Studies program provides an opportunity to study the experiences of people of African descent in the Americas and the continent of Africa. This program explores the cultural, economic, ecological, social, political, and historical factors that have affected the experiences of people in the African diaspora.

Requirements for Minor

A minor concentration in African American and Africana Studies consists of 20 credits including a 4-credit introductory course, AAAS-200. The courses in the minor deal with aspects of the African and African Diasporic experiences as they have been framed by the peoples concerned and represented by others. In addition to AAAS-200, students must take at least four courses from the following electives, with no more than 2 courses from a single department:

COMPREHENSIVE AAAS COURSE LIST

AAAS-200 Intro to AAAS	HIST-351 Africa's Cultures of Resistance
AMST-200 Reparations	HIST-426w Historical Geography of African Americans
AMST-200 Northern Bondage	LAS-215 U.S. Latino/a Literature
AMST-200 Race & The University	LAS-332 Afro Latin America
BE-110 Race & Gender in Amer. Economy	MCS/GWMS-319 Sex, Race, and Sitcoms
ENGL-2XX Early African-American Texts	MCS-340 Gender, Ethnicity, and Communication
ENGL-222 African-American Literary Traditions	MUSIC-207 History of Jazz
ENGL-250 Caribbean Literature	PHIL-230 Philosophy of Race
ENGL-250 Race-y Sexy	POL-316 African American Politics in the United States
ENGL-250 Afro-Futurism	POL- POL 348 Democracy in Africa
ENGL-250 Global Black Family	PSYCH-475 Minority Health & Health Disparities
ENGL-325 The Black Arts Movement	SOC-110 Thinking Sociologically
ENGL-325 Death and The Black Subject	SOC-220/ENV-220 Environmental Justice
FS-252 African-American Film	SOC-245 Equality & Inequality
FREN-252 Le Monde Francophone	SOC-258 African-American Experience
HIST-203 The Expense of Musical Appropriation	DANCE-250 African Dance
HIST-228 Modern African-American History	THEA-2XX African-American Female Playwrights
HIST-251 African Journey	
HIST-332 Liberated Minds	

* IR-400W, POL-399, SOC-110, SOC-255, SOC-275, and/or SPAN-440W may also fulfill this elective requirement when the topic is appropriate and with prior approval from the AAAS coordinator.

General Advising Guidelines for AAAS minors

Students have considerable flexibility in completing the requirements for this minor; in fact, some students may develop an interest in pursuing the minor after enrolling in courses from the list above to complete the Core or to fulfill requirements for other majors. Please encourage advisees to keep this in mind when registering for courses.

AMERICAN STUDIES

Overview

An American Studies major examines American culture, history, literature, and politics from a variety of disciplinary perspectives. Students learn to appreciate both the unity and diversity of American life, recognize the challenges of responsible citizenship, and understand the ways in which our own culture affects our perception of other cultures.

Requirements for Majors – Minimum 36 credit hours including the following:

- A. At least one version of AMST-200: Issues in American Studies
- B. **Disciplinary Concentration**; Students will elect four courses in one of the American Studies disciplines, including a methods class, an American-themed capstone, and two electives. At least one course in the disciplinary concentration must be at the 300-level or above. The exception to this rule is the disciplinary concentration, sociology, which requires Sociology 391 as a prerequisite for the capstone. Only one elective is required in this disciplinary concentration.
 1. **English Concentration** (required courses)
 - ENG-290W
 - Capstone: a 400-level seminar in American literature
 - Electives: two courses in American literature
 2. **History Concentration** (required courses)
 - Methods: HIST-200W
 - Capstone: HIST-400W or 421W on an American topic
 - Electives: two courses from HIST-113, 114, 220, 222, 223, 225, 321, 322, 323, 327, 328, 329. One of the electives must be at the 300-level.
 3. **Media and Communication Studies concentration** (required courses)
 - Methods: MCS-292W.
 - Capstone: MCS-460W or 462W or 464W on an American topic.
 - Electives: MCS-205 and one course from MCS-315, 319, 340, 360, 366.
 4. **Politics concentration** (required courses)
 - Methods: POL-300.
 - Capstone: POL-418W.
 - Electives: POL-218 and one course from 310, 314, 316, 321, 322, 325, 330, 355.
 5. **Sociology concentration** (required courses)
 - Methods: ANSO-200.
 - Research: SOC-391 on an American topic
 - Capstone: ANSO-460W on an American topic.
 - Electives: one course from SOC-100, 220, 255, 258, 263, 288.

Four electives must be taken from at least three different departments outside of the student's disciplinary concentration. Students may choose any of the above listed courses (except methods courses); as well as from ART-290; ECON-210, DANC-100, 350A; EDUC-100, 280; ENV-332, 366; MUS-207, 306; RELS-160, 221, 225. Other electives may be taken with the chair's approval. Students cannot count more than four courses in any one discipline towards the American Studies major.

GENERAL ADVISING GUIDELINES FOR AMERICAN STUDIES MAJORS

- The American Studies major and minor are useful for students interested in graduate study in American Studies and all the other participating disciplines, as well as professional study in such areas as law, social work, museum studies, and journalism.
- Students interested in seeking teaching certification in Social Studies are advised to review the requirements in the *Teacher Education Programs (TEP) Guide* that is available on the Education Department's website.
- The major can easily accommodate a dual major, should a student wish to pursue mastery of more than one discipline, but no more than two courses may count for both majors.
- Students are encouraged to consider a semester of off-campus study in a national program such as the Washington Semester or the Howard Semester program. The American Studies major is also sufficiently flexible to accommodate study abroad.
- Students may elect to fulfill some of the above requirements by doing an internship or research courses (including honors) in American Studies.

TYPICAL PROGRAM FOR AMERICAN STUDIES MAJORS

Below outlines a typical course sequence for American Studies majors in the first year and second year. Junior and senior year scheduling is flexible. Students are advised to consult with their American Studies adviser to discuss selection and sequencing of courses, study abroad, and research opportunities.

FIRST YEAR

Fall

CIE-100
Foreign Language
College Core¹
College core¹

Spring

CIE-200
Foreign language
College Core¹
College Core¹

Advising notes for first-year:

1. As a general rule, first-year students are advised to experiment with the AMST disciplinary concentrations in Humanities and Social Sciences by taking introductory courses in areas of interest. If a first-year student has a genuine interest in the particular TOPIC of AMST-200 offered, the student may take it. There are no pre-requisites for AMST-200.

SECOND YEAR

Fall

AMST-200¹
AMST Elective
College Core
College core

Spring

Methods Course in concentration
AMST Elective
College Core
College Core

Advising notes for second year:

1. The introductory course, AMST-200, does not need to be taken before other major courses. Students are strongly encouraged to take more than one version (separate topics) of this course.

REQUIREMENTS FOR A MINOR IN AMERICAN STUDIES

A minor concentration in American Studies consists of six courses dealing with aspects of American life and culture:

- AMST-200.
- One course each from four of the five disciplinary concentrations (English, History, Media and Communication Studies, Politics, Sociology), selected from the courses approved for the major (excluding methods courses: ANSO-200, ENGL-290W, HIST-200W, MCS-292W, and POL-300).
- One elective selected from any disciplinary concentration or from the electives approved for the major.

Anthropology & Sociology

ANTHROPOLOGY AND SOCIOLOGY

Department Contact

Jonathan Clark

jclark@ursinus.edu

Bomberger 223

Campus extension: x4283

Whether by immersing ourselves in another culture or by turning a critical eye on our own, anthropologists and sociologists seek to denaturalize the social forces that shape our individual lives. Our majors learn to appreciate how they have been shaped by their culture. They also learn to practice cultural relativism — the ability to suspend moral judgment, at least provisionally, in order to understand another culture on its own terms. Our students also grapple with the issue of social inequality, examining how race, class, gender, sexuality, and other social categories intersect in ways that privilege some and disadvantage others.

We aim to produce graduates who are capable not just of learning existing knowledge but of producing new knowledge, too. We've designed our curriculum with this goal in mind. Instead of just reading the results of research other people have done, all our majors have the opportunity to do independent research on a topic of their choice under the supervision of a faculty member.

Major Requirements

- ANTH-100;
- SOC-100;
- STAT-141Q;
- ANSO-200;
- ANSO-210;
- 20 credits in ANTH or SOC courses at the 200-level or above. (Note: Only two 2-credit readings courses may count towards the 20 credits, and only one semester of independent research may count. The 20 credits must include at least one 4-credit course in each discipline, ANTH and SOC. Internships do not count towards the major.);
- ANSO-460W

Students interested in a teaching certification in Social Studies should consult with the Education Department. Anthropology and Sociology majors can fulfill the College writing requirement, along with the major capstone, the core capstone (CCAP), and the oral presentation requirements, by taking ANSO-460W.

Minor Requirements

Anthropology Minor

Students minoring in Anthropology must take ANTH-100 and at least 16 credits in either ANSO courses, 200-level ANTH courses, or both.

Sociology Minor

Students minoring in Sociology must take SOC-100 and at least 16 credits in either ANSO courses, 200-level SOC courses, or both.

Suggested Semesters for Certain Courses

FIRST YEAR

Fall

ANTH 100 or SOC 100

Spring

SOC 100 or ANTH 100
STAT 141

SECOND YEAR

Fall

ANSO 200

Spring

ANSO 210

THIRD YEAR

Fall

Study Abroad

Spring

Study Abroad

FOURTH YEAR

Fall

Spring

ANSO-460W

APPLIED ETHICS MINOR

Department Contact

Kelly Sorensen

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Olin 219

Campus extension: x3527 (Department Extension: x3594)

Requirements for the Applied Ethics Minor (20 hours as outlined below)

- Either PHIL-140 (Applied Ethics) **OR** PHIL-240 (Ethics)

- Four additional courses from following:
 - B&E-110 (Race and Gender in the American Economy)
 - B&E-334 (Organizational Leadership)
 - ENV/PHIL-248 (Environmental Ethics)
 - ENV/SOC-220 (Environmental Justice)
 - ENV/SOC-288 (Animals and Society)
 - HIST-341 (An Historical Introduction to East Asian Thought)
 - PHIL-106 (Meaning of Life)
 - PHIL-140 (Applied Ethics)
 - PHIL-240 (Ethics)
 - PHIL-246 (Biomedical Ethics)
 - PHIL-247 (Business Ethics)
 - PHIL-344 (Topics in Ethics)
 - PHIL/POL-237 (Political Philosophy)
 - PHIL/POL-337 (Classical Political Philosophy)
 - PHIL/POL-338 (Modern Political Philosophy)
 - PHIL/POL-339 (Contemporary Political Philosophy)
 - POL-328 (Law and Society)
 - POL-330 (American Political Thought)
 - POL-357 (War and Peace)

- HIST-329 (Topics in African American History), PHIL-309 (Selected Topics in Philosophy) and/or POL-399 (Topics in Law and Politics) may also count toward the minor when the topic is appropriate and with prior approval from the applied ethics minor coordinator.

- For philosophy or politics majors wishing to minor in applied ethics, at least 12 of the 20 credits for the minor must be in addition to credits already counting toward the major.

- It is strongly recommended that PHIL-140 and PHIL-240 be taken earlier in the student's career.

Art and Art History

ART AND ART HISTORY

Department Contact

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Ritter Studios 103
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Overview

The Art and Art history major and minors in Studio Art and Art History provide students with an understanding of the human experience through visual and aesthetic means and prepare them for further study in the post-graduate arena and professional internship opportunities and can serve as a springboard for other professions in the arts, the culture industry, and beyond.

General Advising Guidelines for Art & Art History Majors

1. Students should begin the program with ART-101 and/or ART-150 or 160 and should complete ART-101 and ART-150 or 160 by the end of the second year. Seats are reserved for first year students and majors in all 100-level courses.
2. ART-291W is required of all majors and is ideally taken in the fall of their second or third years.
3. 300/400-level art electives may be selected from Special Topics courses in Art, 300/400-level courses in Art History.

Requirements for Majors

A major in Art and Art History consists of 40 credits in Studio Art and Art History. Students may concentrate in either Studio Art or Art History. Students pursuing the Art History concentration can fulfill the capstone, writing and oral presentation requirements by taking ART-450W, or ART-491 and 492. Students pursuing the studio art concentration can fulfill their writing requirement by completing ART-291W and their capstone and oral presentation requirements by taking ART-455, or Art-491 and 492.

Requirements for Studio Art Major Concentration:

1. ART-101;
2. ART-150 or 160;
3. ART-291W;
4. ART-310;
5. Five electives selected from Art courses, including a minimum of one art history course at the 200 level or higher (ART-371: Modern Art or ART-372: Contemporary Art are strongly recommended) and a minimum of two courses (studio or art history) at the 200, 300, or 400 level excluding internships ART-381 and 382
 - a. One of the studio art courses must be in a lens-based medium (ART-104, 107, 209, or equivalent in Special Topics); one must be in a two-dimensional medium (ART-102 or 105 or equivalent in Special Topics); one must be in a three-dimensional medium (ART-106 or equivalent in Special Topics). ART-210 and 310 do not count toward these three distribution requirements among the electives.
6. ART-210 is strongly recommended as a studio elective;
7. One capstone course (ART-455, 491 and 492 for honors)

Requirements for a Minor in Studio Art

A minor concentration in studio art consists of 20 credits in art excluding internships. Four courses in studio art (ART-101-107, 201-208; 300 or 400 level studio art classes) and one course in Art History. ART-101 or 291W are recommended.

Proposed plan for a major in Art & Art History with a concentration in Studio Art

Please note that this is only a suggested plan and that there is some flexibility in how an individual student completes college and departmental requirements.

FIRST-YEAR

Fall

CIE-100
Foreign Language
ART-101 or Art-150
College Core

Spring

CIE-200
Foreign language
ART-101 or ART160
College Core

SECOND YEAR

Fall

ART (Studio: 102, 104, 105, 106, or 107 based on disciplinary interest)
ART-291W
College core or Elective
College core or Elective

Spring

ART (Studio: 102, 104, 105, 106, or 107 based on disciplinary interest)
College core or Elective
College core or Elective
College core or Elective

THIRD YEAR

Fall

ART-210 or 200-level Studio in area interest(
ART-300 or -400 Art History or Studio
College core or Elective
College core or Elective

Spring

ART (200-level Studio in area interest)
College core or Elective
College core or Elective
College core or Elective

FOURTH YEAR

Fall

ART-310 (Studio)
College core or Elective
College core or Elective
College core or Elective

Spring

ART (capstone ART-455 OR 492)¹
College core or Elective
College core or Elective
College core or Elective

Requirements for Art History Major Concentration

1. Two studio art courses: ART-101 and one of the following: ART-102, 104, 105, 106, 107, 209;
2. ART-150 and 160;
3. ART- 291W;

4. Four electives selected from Art History courses. One elective must be an art history course at the 200 level or higher in art before 1800. Another elective must be an art history course at the 200 level or higher in art after 1800. A minimum of two art history courses must be at the 300 or 400 level excluding internships ART-381 and 382; MS100 may count as an Art History elective (100-level);
5. One capstone course (ART- 450W, or 491 and 492 for honors).

Requirements for a Minor in Art History

A minor concentration in art history consists of 20 credits: ART-150, 160, and one course in art history at the 300 or 400 level, excluding internship, is required. One course in studio art is also required. MS-100 may count as an elective for the minor (100-level).

Proposed plan for a major in Art & Art History with a concentration in art history.

Please note that this is only a suggested plan and that there is some flexibility in how an individual student completes college and departmental requirements.

FIRST YEAR

Fall

CIE-100
Foreign Language
ART-150 or Art 101
College Core

Spring

CIE-200
Foreign language
ART- 160 or Art 101
College Core

SECOND YEAR

Fall

ART 101 or an Art History Elective
ART-291W
College core or Elective
College core or Elective

Spring

Art History Elective
College core or Elective
College core or Elective
College core or Elective

THIRD YEAR¹

Fall

Art History Elective
Art History Elective
College core or Elective
College core or Elective

Spring

Art History Elective
College core or Elective
College core or Elective
College core or Elective

FOURTH YEAR

Fall

Art History Elective
College core or Elective
College core or Elective
College core or Elective

Spring

ART(capstone ART-450W OR 492)¹
College core or Elective
College core or Elective
College core or Elective

BIOCHEMISTRY AND MOLECULAR BIOLOGY

Contact information

Dr. Anthony Lobo
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Thomas Hall 124
Campus Extension: x3170

Dr. Eric Williamsen
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Pfahler Hall 313C
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Required Courses for the BCMB Major

FOUNDATIONAL COURSES

Courses taken by all majors roughly in the order they are taken

BIO-101Q	Issues in Ecology & Evolution w/Lab
CHEM-107/107LQ or CHEM-151/151LQ	General Chemistry I w/Lab or Advanced General Chemistry w/Lab
BIO-102Q	Cell Biology w/Lab
CHEM-108/108L (if CHEM-151/151LQ was not taken)	General Chemistry II w/Lab
BIO-201W	Genetics w/Lab
CHEM-207/207L	Organic Chemistry I w/ Lab
CHEM-208/208L	Organic Chemistry II w/ Lab
BCMB-202	Foundations in Biochemistry and Molecular Biology
BCMB-351	Biochemistry I: Protein Biochemistry w/Lab
BCMB-452W	Biochemistry II: Metabolism w/Lab
MATH-112	Calculus II
PHYS-111Q or PHYS-121Q	General Physics I, or Space-time and Quantum Physics w/Lab
BCMB-307	Biophysical Chemistry

ADVANCED COURSES

Students must take at least one course from each category

BCMB-426W or BCMB-429W or BCMB-433W or BIO-425W or BIO-428W or BIO-449W or BIO-459W or BIO/NEUR-431W	Advanced Molecular Biology Requirement - Molecular Biology or Structural Biology or Molecular Neurobiology or Molecular Genetics or Genomics or Immunology or Virology or Cellular Neurobiology
BCMB-493 or BIO-328L or BCMB-429L or BCMB-433L or BCMB/BIO-426L or BIO/NEUR-431L	Advanced Molecular Biology Laboratory Requirement – Molecular Biology Research or Protein Biogenesis Lab or Structural Biology Lab or Molecular Neurobiology Lab or Molecular Biology or Cellular Neurobiology Lab
BCMB-350 or BIO-306 or BIO-328 or BIO-345 or BIO-346 or CHEM-315 or CHEM-322 or CHEM-310 or two, approved CHEM-340 on separate topics (or a second course from the Advanced Molecular Biology list)	Advanced Biology or Chemistry Course – Special Topics or Human Physiology or Protein Biogenesis or Microbiology or Developmental Biology or Instrumental Analysis or Inorganic Chemistry or Physical Chemistry II or Selected Topics in Chemistry
BCMB-307L or CHEM-315L or CHEM-322L	Advanced Chemistry Laboratory – Biophysical Chemistry Laboratory or Laboratory in Advanced Instrumental Analysis or Laboratory in Inorganic Chemistry

IMPORTANT GENERAL ADVISING NOTES FOR STUDENTS INTENDING TO MAJOR IN BCMB

1. Prospective BCMB majors are **STRONGLY ENCOURAGED** to take BIO-101Q and 102Q as well as CHEM-107(L) and CHEM-108(L) in the first year. A delay in completing these courses will affect the sequencing of upper-level courses, may preclude study abroad opportunities, and may detrimentally affect MCAT timing and performance. Taking these courses also will allow the student to keep all biological or chemical major options (e.g., BIO, CHEM, NEUR) open. **If you feel that your advisee cannot handle this course-load, contact Anthony Lobo or Eric Williamsen (BCMB Co-coordinators) for advice.**
2. The courses required for the BCMB major will prepare a student for application to health professions school; however, additional biology or physics courses are often required for admission to these programs. **For more information, the student is strongly encouraged to arrange a meeting with Janet Mutschlar Pre-Health Advisor or Ellen Dawley, Chair of the Pre-Health Professions Committee.**
3. All prospective BCMB majors must take the Chemistry Placement Exam and Survey prior to signing up for general chemistry to correctly place the student in the correct course (three different levels of general chemistry are offered). A student will not be enrolled in general chemistry without completing both the exam and survey. Students with significant experience with chemistry and score highly on the placement exam will be placed in CHEM-151(L) which allows the student to complete general chemistry in one semester instead of the common two-semester sequence. CHEM-151(L) replaces CHEM-107(L) and CHEM-108(L) and provides students with an additional course slot in the Spring Semester (commonly first year).
4. Students need to complete MATH-112 and PHYS-111Q (or PHYS-121Q) prior to taking BCMB-307. Most students will start their math study in MATH-112, but students who have no or poor math and calculus background may need to start at MATH-111 or MATH-110.
5. BCMB students can study abroad. This is facilitated by taking the introductory Biology and Chemistry courses and the math course(s) in the first year and PHYS-111Q (or PHYS-121Q) in the second year.
6. Please note that BCMB offers no minor.

TYPICAL BCMB MAJOR PROGRAM

Below outlines a typical course sequence for BCMB majors in the first year and second year. Junior and senior year scheduling are flexible. Students are advised to consult with their BCMB adviser to discuss selection and sequencing of courses, study abroad, research opportunities, etc.

FIRST YEAR

Fall

BIO-101
CHEM-107/107LQ or CHEM-151/151LQ^{1,2}
CIE-100
Foreign Language

Spring

BIO-102
CHEM-108/108L^{1,2}
CIE-200
Foreign Language

Advising Notes for First Year

1. Students with a strong background in high school chemistry (AP or equivalent) are often placed into CHEM-151/151LQ (Advanced General Chemistry) in place of CHEM-107/107LQ and 108/108L (General Chemistry I & II). The prerequisite for CHEM-207/207L (Organic Chemistry I w/lab) is CHEM 108/108L or 151/151LQ. Students who take 151/151LQ should enroll in CHEM-207/207L (Organic Chemistry I w/lab) in the Spring Semester of their first year.
2. In the fall semester, we will offer multiple sections of CHEM-107/107L and CHEM-207/207L, and in the spring semester, we will offer CHEM-108/108L and CHEM-208/208L as part of the usual sequence. We will also offer one section of each course in the opposite semester for students who need to start their chemistry studies in the spring or need to take these courses outside the usual sequence
3. A student who tests out of MATH-111 may take MATH-112. Students who are not qualified to take MATH-112 must take MATH-111 (or MATH-110 and 111) prior to MATH-112. A student who must start study in mathematics at a level below MATH-112 are advised to take it in the first year.
4. Mathematics Alternative: An alternative is for the student to complete mathematics or a Core/Elective in the first year and complete the language requirement in the second year. This choice may increase flexibility within the major and enhance study abroad opportunities.

SECOND YEAR¹

Fall

CHEM-207/207L¹
Bio-201W
PHYS-111Q or PHYS-121Q
College Core^{3,4}

Spring

CHEM-208/208L¹
College Core
MATH-112
College Core
BCMB-202⁵

Advising Notes for Second Year

1. In the fall semester, we will offer multiple sections of CHEM-107/107L and CHEM-207/207L, and in the spring semester, we will offer CHEM-108/108L and CHEM-208/208L as part of the usual sequence. We will also offer one section of each course in the opposite semester for students who need to start their chemistry studies in the spring or need to take these courses outside the usual sequence
2. Conversion of a Chemistry or Biology major to a BCMB major within the first two years is relatively easy, especially if both the introductory Biology and Chemistry courses were taken. Later conversions are possible but scheduling of the BCMB courses can be problematic.
3. If the student completed foreign language in the first-year, MATH-112 (and MATH-111 if needed) should be completed in the second year.
4. If a student takes MATH-111 in the second year, PHYS-111Q (or PHYS-121Q) may be delayed until junior year. MATH-111 is a pre- or co-requisite to PHYS-111Q (or PHYS-121Q). This will delay BCMB-307 to senior year (PHYS-111Q (or PHYS-121Q) is a prerequisite to BCMB-307). This delay is not an issue unless the student wants to study abroad.
5. BCMB-202 is a one-credit course.

BIOLOGY**Department Contact**

Dale Cameron
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Thomas Hall 211
X3222

REQUIRED COURSES FOR THE BIOLOGY MAJOR

36 hours in biology; 8 hours in chemistry; 8 hours in mathematics, as outlined below

1. Required Core Courses (12 credits)

BIO-101Q, 102Q, 201W and one of the following capstone courses: BIO-415W (or ENVS-415W), 419W (or ENVS-419W), 425W, 426W (or BCMB-426W), 428W, 429W (or BCMB-429W), 431W (or NEUR-431W), 433W (or BCMB-433W or NEUR-433W), 435W (or NEUR-435W), 442W, 444W, 449W, 455W (or ENVS-455W), 459W, 492W, BCMB-452W. At least 24 of the 36 biology credits for the major must have a laboratory or be a four-credit lecture/laboratory combination course. One research course from: BIO 481, 485, 491, 492W may be used as part of this requirement.

2. Distribution Requirements**a. Molecular/Cellular Biology. At least two courses must be completed from the following**

BIO-220, 225 (or NEUR-225), 306, 328, 333, 335, 345, 346, 349, 351, 364 (or NEUR-364), 425W, 426W (or BCMB-426W), 428W, 429W (or BCMB-429W), 431W (or NEUR-431W), 433W (or BCMB-433W or NEUR-433W), 435W (or NEUR-435W), 444W, 449W, 459W, BCMB-351, 452W.

b. Organismal/Population Biology: At least two courses must be completed from the following:

BIO-, 234 (or ENVS-234), 305, 310, 320, 324, 325 (or ENVS-325), 330, 334 (or ENVS-334), 336 (or ENVS-336), 359, 360 (or ENVS-360), 365 (or ENVS-365), 375 (or ENVS-375), 415W (or ENVS-415W), 442W, 455W (or ENVS-455W).

3. Biology Electives

Additional credits in Biology to complete the 36 credit hour requirement

4. Eight required credits in Chemistry

CHEM-107/107LQ and 108/108L or CHEM-151/151LQ and 207/207L

5. Eight required credits in Mathematics – choose TWO from:

CS-173 and higher, MATH-111 and higher, or STAT-141Q and higher. Strongly Recommended: At least one class be in Statistics (STAT). CS-350, MATH-350, MATH-400, or any CS, MATH, or STAT internship or research class cannot be used to fulfill this requirement.

Recommended for all majors, but not required (Required for those in a pre-med track)

- Physics 111Q and 112
- A total of four semesters of chemistry (CHEM 151 is counted as one semester by some med schools)

REQUIRED COURSES FOR THE BIOLOGY MINOR

THREE Required Courses (12 credits)

- BIO-101Q Issues in Ecology and Evolution
- BIO-102Q Cell Biology
- BIO-201W Genetics

Plus at least 12 additional credits including 1 course from each distribution list above or BIO/HS 205/205L and BIO/HS 206.

General Advising Guidelines for Biology Majors

1. Advanced Placement Biology Exam (for those who score 4 or 5 on the Biology exam)

- Students who score a 4 or 5 on the Advanced Placement Biology Exam will be awarded credits for BIO-150.
- Students who do not intend to major in Biology or BCMB and do not intend to take Biology courses at or above the 200 level may use the BIO-150 credits to fulfill the science core requirement.
- Students who intend to major in Biology or BCMB or intend to take Biology courses at or above the 200 level are **REQUIRED** to take BIO-101Q and BIO-102Q at Ursinus. BIO-150 credits do not count toward the requirements for the Biology and/or BCMB major but count toward graduation.
- Pre- med students who are not Biology or BCMB majors and do not intend to take Biology courses at or above the 200 level are **strongly encouraged** to complete both BIO-101Q and BIO-102Q at Ursinus.

2. The First Year

Prospective Biology majors are **STRONGLY ENCOURAGED** to take Biology 101Q and 102Q as well as Chemistry 107/107QL & 108/108QL in the first year. See notes below beneath the suggested schedule. Contact the Biology Department for additional guidance, if needed.

3. S/S-/U grading:

- Note that BIO-101Q, BIO-102Q, BIO-201W, and any 400-level course may not be taken with S/S-/U grading for the biology major. No more than 12 credit hours in biology graded S can be applied to the major, including those from research (BIO-391, 392, 481, 485, 491, 492W), internships (BIO-382), and classes opted for S/S-/U grading.
- **For students planning to apply to graduate or medical programs after Ursinus:** BIO-101Q, BIO-102Q, BIO-201W, and any prerequisite courses for the program should not be taken with S/S-/U grading.

4. Mathematics Requirement

- Biology majors are required to complete TWO math courses; however, calculus is not required for the major, and it is required by only a few medical schools. Please note that Calculus I is a pre- or co-requisite course for Physics 111.
- If the student elects to take calculus to fulfill the math requirement, please consult the Mathematics Placement Section in this Guide for guidelines on registering students for the appropriate level of calculus.

5. Teacher Certification

Departmental requirements for teacher certification differ from those for other vocational objectives. For details consult the College Catalog, the **Teacher Education Program Guide** available through the Education Department's website, and/or a Biology faculty member.

6. Study Abroad

Study abroad is encouraged and can most easily be accommodated during the junior year, although it is quite possible in the second spring semester and the senior fall semester.

Typical Program for Biology Majors

Below outlines a typical course sequence for Biology majors in the first year and second year. Undecided students who are interested in biology are encouraged to talk with biology department faculty regarding careers and the major.

FIRST YEAR

Fall

BIO-101Q
CHEM-107/107L Gen Chem I w/ Lab
Foreign Language
CIE 100

Spring

BIO-102Q
CHEM 108/108L General Chemistry II ,w/Lab
Foreign Language
CIE 200

Advising Notes for First-Year

1. Taking both Biology and Chemistry both semesters during freshman year should be the default for pre-medical students and biology majors.
2. A potential pre-med or biology major who feels underprepared in Chemistry and vehemently wishes to take only one science should take only biology and wait until second year to start chemistry. This is particularly true if the student has not had a biology course since tenth grade. Pre-meds who take only biology in the freshman year do so with the understanding that they will be doubling up on science courses in the junior year (probably chemistry, physics, and maybe bio and biochemistry in the same semesters) or waiting an extra year to apply to med school. If the advisor is really at a loss as to what to do and needs to consult with a biologist about whether to register the student for one or both, please call one of us.
3. In the fall semester, we will offer multiple sections of CHEM-107/107L and CHEM-207/207L, and in the spring semester, we will offer CHEM-108/108L and CHEM-208/208L as part of the usual sequence. We will also offer one section of each course in the opposite semester for students who need to start their chemistry studies in the spring or need to take these courses outside the usual sequence.
4. Students with a strong background in high school chemistry (AP or equivalent) may be invited to take CHEM-151/151LQ, Advanced General Chemistry, in place CHEM-107/107LQ (General Chemistry I) and CHEM-108/108LQ (General Chemistry II). See Chemistry Placement section for additional information. Pre-meds who take CHEM151 should take four semesters of chemistry (Biochem I is a good option) because some med schools do not accept Chem 151 as two semesters of chemistry.
5. Students who are uncertain about whether to major in biology or chemistry should be encouraged to take courses in both disciplines in the first-year so that they have a basis for comparison.

SECOND YEAR

Fall

BIO-201W
Chemistry or Math Requirement
College Core or elective
College Core or elective

Spring

Biology Distribution Course
Chemistry or Math Requirement
College Core or elective
College Core or elective

Advising Notes for Second Year

1. Students may begin taking research credits during their first year. Students are required to reach junior standing before doing an internship.
2. Students pursuing a pre-med track should take Chemistry 207/207L 208/208L in the second year and Physics 111Q and 112 in the Junior Year, as electives. Calculus I is a pre- or co-requisite for Physics 111Q.

***General Advice for first year advisers to give their students after
the first biology test if the score is lower than hoped:***

- A "C" in biology or chemistry in the freshman year will not ruin your (medical) career.
- We love biology; we want other people to love biology. We want everyone to do well in our courses. Use our resources- supplemental instruction, co-curricular program, and tutoring. Talk to your professor.
- Talk to your biology or chemistry professor if you are thinking of dropping the course! The first exam is only 10% of the entire course grade in Bio! (labs count in the bio grades)

BUSINESS ECONOMICS

Department Contact:

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Bomberger 311

Campus Extension: x3685

Required Courses for the Business Economics Major (44-52 Credit hours in BE outlined below)

A. Seven Required BE courses (28-32 credits):

- ECON-101 Principles of Microeconomics F/S (**Fall or Spring for first-year students**)
- ECON-102 Principles of Macroeconomics F/S (**Fall or Spring for first-year students**)
- ECON-151 Analytic Foundations in Economics and Finance F/S (**Spring for most first-years; see Advising Notes for how to obtain a waiver of this requirement**)
- ECON-200W Research Methods in Economics (Prereq: C- in ECON-101 and ECON-151)
- ECON-201 Managerial Economics F/S (Prereq: C- in ECON-101 and ECON-151)
- MGT-200 Management and Organizational Behavior F/S (Prereq: sophomore standing)
- MGT-201 Management Ethics F/S
- ACCT-140 Financial Accounting F/S

B. Concentration: Choose ONE of three Concentrations (16-20 credits):

All Business Economics majors must concentrate in Analytics, Entrepreneurship, Management, or Marketing. The following courses do not count as elective credit for the major in Business Economics: ECON-120; BE-381, 382, 391, 392, 394, 491, AND ECON-492W; FIN-001-004, 010, 011, 100, 272, 301, 302, 401, 402, 403W.

Analytics Concentration

- Econ-300 or DATA-201,
- ECON-403W,
- eight credits from ACCT-241, PSYC-250, MCS-350, ENTR-101, ENTR-102, ECON-231, ECON-312, MKT-250, FIN-374, and MGT-300

Entrepreneurship Concentration

- ENTR-101 and ENTR-102,
- either MGT-403W or ECON-403W,
- eight credits from ACCT-241, PSYC-250, ECON-231, ECON-312, MCS-350, MKT-250, ECON-310, FIN-370, and MGT-300

Management Concentration

- Two courses from: ACCT-241, PSYC-250, and MCS-350.
- MGT-403W,
- eight credits from ENTR-101, ENTR-102, MKT-250, ECON-210, ECON-231, ECON-312, FIN-370, and MGT-300

Marketing Concentration

- MKT-250, ECON-231, and MGT-403W

- eight credits of electives from ACCT-241, PSYC-250, ECON-231, MCS-350, ENTR-101, ENTR-102, ECON-310, FIN-370, and MGT-300

C. Business Economics Capstone Course

All students who major in Business Economics can fulfill the college’s capstone, writing, and oral presentation requirements with either ECON-403W or MGT-403W (depending on concentration). Qualified students may substitute BE-491 and 492W for the capstone requirement.

BUSINESS ECONOMICS - TYPICAL PROGRAM & ADVISING NOTES FIRST YEAR

<p>Fall ECON-101 OR 102 CIE 100 Foreign Language Core Requirement</p>	<p>Spring ECON-101 OR 102 ECON-151 CIE 200 Foreign Language</p>
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Advising Notes for First Year:

1. Given the similarity between majors in BE, ECON and FIN, students do not need to decide which path to follow until they take either ECON-200W or FIN-200W.
2. Students intending to major in BE are advised to take **ECON-101 and ECON-102**. ECON-101 and -102 are offered in both spring and fall. ECON-101 and -102 have no pre-requisites; they may be taken in either order. They may be taken concurrently, but that is not recommended except for students who are late to the major.
3. **ECON-151 is recommended for the spring semester.** Students **CANNOT** take **ECON-151** unless they have taken ECON-101 or ECON-102, or they are taking ECON-101 or ECON-102 concurrently. The department chair will waive the ECON-151 requirement for students who place into MATH-112, get a C- or better in MATH-111, pass a college-level calculus course taken elsewhere, score a 4 or better on an AP calculus exam, or pass an exam administered by the B&E department **AND** pass STAT-141Q with a C- or better, pass a college level statistics course taken elsewhere, or score a 4 or better on an AP statistics exam.
4. Students who are thinking about pursuing doctoral studies or careers in data analytics -- or those who simply have an interest in quantitative matters -- are advised to take MATH-111 and STAT-141 instead of ECON-151. They would also benefit from further coursework in math, statistics, and computer science.

SECOND YEAR

<p>Fall ECON-201 MGT-200 or Core Requirement Core Requirement or Elective Core Requirement or Elective</p>	<p>Spring ACCT-140 ECON-200W Core Requirement or Elective Core Requirement or Elective</p>
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Advising Notes for Second Year:

- Given program flexibility, students can start the BE major in the second semester of the second year and complete it on schedule (provided they have already satisfied most of the college core requirements). Students planning to study abroad during the junior year should follow this recommended program plan.
- Pre-requisites for ECON-200W (Research Methods in Economics) include a C- or higher in ECON-101 OR ECON-102 AND second year standing.
- Students who are undeclared second-year students but plan to major in the department should register for ECON-151 in the spring semester.
- ECON-200W has a hard cap on enrollments at 16.
- Students who are thinking about pursuing doctoral studies or careers in data analytics -- or those who simply have an interest in quantitative matters -- are advised to take ECON-300Q during their sophomore year

THIRD YEAR

Fall

MGT-201
BE Elective
Core Requirement or Elective
Core Requirement or Elective

Spring

BE Elective
BE Elective
Core Requirement or Elective
Core Requirement or Elective

FOURTH YEAR

Fall

ECON-300Q
Core Requirement or Elective
Core Requirement or Elective
Core Requirement or Elective

Spring

ECON-403W/MGT-403W
BE Elective
Core Requirement or Elective
Core Requirement or Elective

THIRD & FOURTH YEARS

1. The pre-requisites for ECON-201 (Managerial Economics) are a C- or higher in ECON- 101 and ECON-151. Please note that ECON-201 is offered every semester.
2. Students wishing to complete internships or independent research projects are encouraged to do so in either their junior or senior year. **Internship credit does not count towards the major but does satisfy the college XLP requirement.**
3. The BE major is flexible enough for students to study abroad. If they follow the plan above, most students will be able to study abroad and complete the BE major without difficulty.
4. Students beginning the major in their second year could complete it by the end of their fourth year by taking 4 courses in the major in each of their sophomore, junior, and senior years
Yr 2: ECON-101, -102, -151, ACCT-140,
Yr 3: ECON-200W, MGT-200, ECON-201, MGT-201
Yr 4: ECON-403W or MGT-403W, Elective, Elective, Elective

CHEMISTRY

Department Contact

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Chemistry Major

A student intending to major in chemistry must satisfy one of four tracks, each of which is aimed at different professional objectives (see the Ursinus College Catalog for additional information). The programs vary in the number of required courses; however, all tracks require the same core chemistry courses.

TRACK OPTIONS FOR CHEMISTRY MAJORS

- Track 1 Major Specialization in Chemistry
- Track 2 American Chemical Society Certified Major – Chemistry Emphasis
- Track 3 Specialization in Chemistry for Medical School and Allied Fields
- Track 4 Specialization in Chemistry for Science Teaching

REQUIRED CORE CHEMISTRY COURSES

- CHEM-107/107L and 108/108L
General Chemistry I & II w/Lab
Advising Note: Advanced students may be invited to take 151/151L in place of 107/107L & 108/108L
- CHEM-207/207L and 208/208L
Organic Chemistry I & II w/ Lab
- CHEM-202W
Rhetoric and Responsibilities of the Modern Scientist
- CHEM-309/309L and 310/310L
Physical Chemistry I & II w/ Lab
- CHEM-315/315L
Instrumental Analysis w/ Lab
- CHEM-322/322L
Inorganic Chemistry w/ Lab
- CHEM-340 (twice)
Selected Topics in Chemistry (two, two-credit courses)
- CHEM-401
Chemistry Capstone (two-credit course)
- CHEM-499
Chemistry Assessment (Zero-credit course)

OTHER COURSES REQUIRED FOR THE CHEMISTRY MAJOR

- MATH-112
Calculus II – Students who do not qualify to take MATH-112 must take MATH-111 [or MATH-110/MATH-111] prior to MATH-112
- PHYS-121Q & 122Q
Spacetime and Quantum Physics (PHYS-121Q) and Electromagnetism and Thermodynamics (PHYS-122Q)

ADVANCED CHEMISTRY COURSE ELECTIVES: See the Track options in the Catalog for more information

General Advising notes for Students Considering a Chemistry Major

- Prospective chemistry majors should have a strong high school background in science and mathematics.
- Students starting in the biology program who take BIO-101Q and 102Q and CHEM-107/107L and 108/108L in their second year can transfer to the chemistry program as late as the end of their second year. However, during their junior and senior years students will have to take at least two chemistry courses per semester in order to graduate on schedule as chemistry majors.
- In the fall semester, we will offer multiple sections of CHEM-107/107L and CHEM-207/207L, and in the spring semester, we will offer CHEM-108/108L and CHEM-208/208L as part of the usual sequence. We will also offer one section of each course in the opposite semester for students who need to start their chemistry studies in the spring or need to take these courses outside the usual sequence
- Students do not need to decide their track within the chemistry program until their third year because all the tracks are essentially the same through the second year. However, certain upper-level courses require pre- or co-requisites. Please consult the College Catalog.

TYPICAL CHEMISTRY MAJOR PROGRAM

	FIRST YEAR
Fall	Spring
CHEM-107/107L Gen Chemistry I w/ Lab ¹	CHEM-108/108L Gen Chemistry II w/Lab ²
Foreign Language	Foreign Language
CIE -100	CIE-200
Math-112 ^{3,4}	Core/Elective

Advising Notes for First Year

1. Students must take the Chemistry Placement Exam and Survey prior to taking general chemistry. A student will be placed in the course that best fits their background.
2. All CHEM-107 and CHEM-151 students complete a summer assignment using a program called [ALEKS](#). An email will be sent to all CHEM-107 or 151 students in July with further instructions.
3. Pre-Requisite for CHEM-108/108L General Chemistry II w/lab is CHEM-107/107L.
4. Majors in the Track 3 (Specialization in Chemistry for Medical School and Allied Health Fields) track may choose **BIO-101Q and BIO-102** in place of **MATH-112** in the first year.
5. Students who test out of MATH-111 may start the study of math in MATH-112. Students who do not qualify to take MATH-112 must take MATH-111 (or MATH-110/MATH-111) prior to MATH-112. Students who need MATH-111 are advised to take it in the first year if possible, although they can complete the major if they take it in the second year.
6. **Students who take CHEM-151 can take CHEM-207 (Organic Chemistry I) in the spring semester of their first year.**

SECOND YEAR

Fall

CHEM-207/207L /207S Organic Chemistry I w/Lab^{1,2}

PHYS-121Q Spacetime and Quantum Physics³

Core/Elective⁴

Core/Elective⁴

Spring

CHEM-208/208L Organic Chemistry II w/Lab

CHEM-202W Rhetoric and Responsibilities of the Modern Scientist²

PHYS-122Q Electromagnetism and Thermodynamics³

Core/Elective³

Advising Notes for Second Year

1. Pre-requisite for CHEM-207/207L Organic Chemistry I w/lab is CHEM-108/108L or CHEM-151/151L.
2. CHEM-207S is a mandatory recitation section that all students must take in addition to 207/207L.
3. Pre-requisite for CHEM-202W is CHEM-108/108L or CHEM-151/151L.
4. Can be postponed to the third year, but these courses are prerequisites to CHEM-309/309L and CHEM-310/310L.
5. Priority should be to finish the foreign language and math requirements. After these requirements are satisfied, the college requirements should be selected. For those who wish to earn teaching certification in Chemistry, requirements include EDU-202, PSYC-100, and either ENV-100 or CHEM-101Q.

THIRD YEAR

FALL

CHEM-309/309L Physical Chemistry I w/ Lab¹

CHEM-315/315L Instrumental Analysis w/ Lab¹

Core/elective^{3,4}

Core/elective³

SPRING

CHEM-310/310L Physical Chemistry II w/ Lab^{1,2}

CHEM-322/322L Inorganic Chemistry w/ Lab¹

Core/elective³

Core/elective³

Advising Notes for Junior Year

1. Can be postponed to senior year, but it is advised to take at least two during the third year
2. CHEM-309/309L is not a prerequisite for CHEM-310/310L
3. After the college requirements are satisfied, the student is free to choose from the special topics chemistry courses, courses needed to fulfill a minor, or free electives.
4. Students completing Track 2 (ACS Certified Major) or Track 3 (Specialization in Chemistry for Medical School and Allied Fields) must complete either BCMB-351 (Biochemistry I) or CHEM-347 (Fundamentals of Biochemistry) in either the third or fourth year.

FOURTH YEAR

The student will need to complete at least two special topics courses, CHEM-401 (Chemistry Capstone), and additional courses necessary to fulfill the requirements for their chosen track and College requirements. **Students in the Specialization for Medical School and Allied Health fields may substitute BCMB-351 for CHEM-347.**

Research

There are numerous opportunities for student to do a research project in chemistry with a faculty member. After their first semester, Students may enroll in CHEM-291, *Introduction to Research* (one credit). Second- and third-year students may enroll in CHEM-291 or CHEM-391, *Research/Focused Inquiry* (two credits). Most senior chemistry majors take CHEM-491W and/or CHEM-492W, *Research/Independent Work* (both four-credit courses). Students may obtain research fellowships at other universities in which case they may enroll in CHEM-380, *Off-Campus Research* (four credits). Students in Track 2 (ACS Certified Major) must complete one of CHEM-380, 381, 382 or 491W.

Internships

An internship, CHEM-381 (three credits) or CHEM-382 (four credits), is not required for the chemistry major; however, several students each year find internships with local chemical and pharmaceutical companies during the summer months, usually after completing their junior year.

Study Abroad

The Chemistry Department encourages chemistry majors to pursue study abroad opportunities.

Minor in Chemistry

1. Four Required courses

- 107/107L and 108/108L General Chemistry I & II w/Lab.
Advising Note: Advanced students may be invited to take 151/151LQ in place of 107/107L and 108/108L
- 207/207L and 208/208L Organic Chemistry I & II w/ Lab

2. Choice of one of the following four courses:

- 309/309L Physical Chemistry I w/ Lab
- 310/301L Physical Chemistry II w/ Lab
- 315/315L Instrumental Analysis w/ Lab
- 322/322L Inorganic Chemistry w/ Lab

3. Three additional credits in Chemistry at the 300-level or higher, excluding internships, research, and seminar courses (see the catalog for options)

CLASSICS

Contact information

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Classical Studies offers students an introduction to the worlds of Ancient Greece and Rome. Courses in Latin and Greek not only develop a student's reading knowledge in these languages but examine the cultural contexts of the literature, art, and archaeology we study. By encountering the ancients on their own terms, we can better understand their worlds and their influence on ours. Classical Studies is the traditional basis of a liberal arts education and a minor in Classical Studies enhances a student's ability and skills in interpretation and writing. A student may choose to minor in Classical Studies or Latin.

Requirements for the Latin Minor

A minor in Latin consists of five courses for a total of 20 credits.

- LAT-101 and 102 do not count towards the minor.
- Four of the Latin courses must be above the 100-level; one must be at the 300-level or above.
- The fifth course may be selected from Latin, Greek or Classical Studies.

Requirements for the Classical Studies Minor

A minor in Classical Studies consists of five courses for a total of 20 credits.

- Minimum of two semesters of Latin or two semesters of Greek. These courses may be at the 100-level or above.
- HIST-101 Premodern World or an equivalent course by permission.
- Two additional courses; one must be at the 300-level or above. These courses may be classical language courses, Special Topics in Classical Studies, or Independent Research.

See list of classical studies-related courses below. One of these courses may be applied to the minor in Latin or Classical Studies.

- ANTH-205 Archeology
- ART-150 History of Art I: Ancient Through Medieval
- MUS-205 History of Music to 1750
- PHIL-107 Philosophy of Love and Sex
- PHIL/POL-237 Political Philosophy,
- PHIL/POL-337 Classical Political Philosophy
- PHIL-351 Topics in Ancient and Medieval Philosophy
- RELS-242 The Hebrew Bible
- RELS-245 Introduction to the New Testament
- THEA-216 Stage Comedy
- THEA-300Q History of the World Theater and Drama I
- Other Special Topics courses may be applied to the minor with permission of the Classical Studies program coordinator.

Students minoring in both Latin and Classical Studies may apply only one course to count towards both minors.

Students studying Classics abroad may apply at most two of those courses towards the Classical Studies or Latin minors with permission of the Classical Studies program coordinator. Upon request, the Classical Studies program coordinator may approve other courses, such as Special Topics in other departments that have a classical studies focus, to count towards the minor.

DIGITAL STUDIES MINOR

Program Contact

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Digital Studies is an interdisciplinary minor that introduces students to the approaches and mindsets they need to engage in digital work within and across disciplines. The minor provides students with curricular opportunities to develop the technical, analytic, and improvisational skills crucial to digital work. The minor invites students to explore questions closely linked to the Ursinus Quest, such as: “What should matter to us in an increasingly and inequitably digitized world?”, “how can disciplinary and cross-disciplinary approaches help us understand the digital world?”, and “what will I do to build and be a member of more equitable digital communities?”. With a focus on ethics and collaboration, the minor prepares students to be productive, engaged citizens in an increasingly digital world.

Requirements for the Digital Studies Minor (16-20 hours as outlined below)

- DIGS-200 (Introduction to Digital Studies)
- One course that provides practical knowledge of and experience with the skills necessary for success in digital environments:
 - ART-107; CS-170Q; 173; ENV-244; IDS-110, 301; MCS-210, 225, 327; MUS-226; special topics courses as appropriate
- One applied course that situates digital tools and theories within a disciplinary focus:
 - BIO-425W, 428W; BIO/BCMB-429; BIO/NEUR-435W; ENV-003, 004, 005, 006, 338; HIST-175, 176, 200W; HIST/GWSS-375; MCS-208, 220, 318, 319, 335, 358, 363; POL-300, 358, 359, 452; SOC-255, 258; special topics courses as appropriate
- One applied, project-based course:
 - ENGL-250 (Podcasting Literature); ENV-332, 366; HIST/ENGL-212; HIST/MUS-203; special topics courses as appropriate
- An additional applied experience, such as a second, project-based course or an XLP in digital studies.
 - It may include an approved internship; an independent study or honors in Digital Studies; participation in the Digital Spark program; at least one year of work as a Digital Liberal Arts fellow; or an approved Summer Fellows experience
- A reflective activity: To complete the minor, students will complete a reflection, to be reviewed by Program Coordinator(s) and/or supporting faculty.

Advising Notes

- To complete the minor, students should take courses from at least three disciplines.
- Students may petition for MCS-220 to substitute for DIGS-200 if scheduling requires it. See Digital Studies minor website (<https://www.ursinus.edu/academics/digital-studies/>) for link to this form.
- Students may also choose to apply a special topics course, if appropriate, to the minor. See website for link to this form.
- Students must complete a brief reflection on the minor to successfully complete the program. Students should submit this reflection via the Digital Studies website; program coordinators will then complete verification of minor form in consultation with advisor.
- Any students wishing to be added to the mailing list should fill out the link on the website or contact program coordinator(s) Christine Iannicelli and/or Kara McShane.

EAST ASIAN STUDIES

Program Coordinator

Matthew Mizenko
Olin Hall 207
mmizenko@ursinus.edu
610-409-3668

Program Contact

Matthew Coleman, Administrative Assistant
mcoleman@ursinus.edu
Campus Extension: 3594

Requirements for the East Asian Studies Major

Required Hours: 44-52 (including language in College core, depending on entry level).

1. A minimum of **12 hours of appropriate language** study beyond the introductory 101/102 level
NOTE: EAS majors are encouraged to complete some of this requirement either through study abroad or summer-intensive programs. In addition to College offerings in Japanese and Chinese, students may satisfy this requirement through equivalent study – including off-campus study and study abroad – of Korean or other approved Asian language.
2. **12 credits** from HIST-151, 152, 252; EAS-314; or EAS-224.
3. **A capstone experience.** Choose from EAS 400W, EAS 491W/492W, or an approved seminar or honors project in History, Politics, Modern Languages, or another department as appropriate.
4. **An appropriate methodology course** (i.e., ECON-202, ENGL-290W, HIST-200W, POL-252 or 300, ANSO-200, or another approved course). East Asian Studies majors generally fulfill their requirement for an oral presentation in the major through the required oral component of their methodology and capstone courses.
5. **12 additional credits from the following courses** (Note: at least eight credits must be at the 300-level): EAS-299, 301, 314, 398, 399, ENG/EAS-224, HIST-151, 152, 252, 254, 352, 354, 451W and RELS-111; or approved courses in Anthropology and Sociology, Business and Economics, East Asian Studies, English, History, Politics, Theater, or Philosophy and Religious Studies.

Requirements for the East Asian Studies Minor

A minor concentration in East Asian Studies consists of 20 credits from courses dealing with East Asia. Twelve credits must come from HIST–151, 152, 252; or EAS-224. The remaining credits must come from the following: EAS-299, 301, 314, 398, 399; JPN-111, 112, 211, 212, 311, 312, 328; HIST-151, 152, 252, 254, 352, 354, 451W; or RELS-111.

General Advising Notes for EAS Majors

1. **FOREIGN LANGUAGE REQUIREMENT.** Students anticipating a major in East Asian Studies will normally meet their College language requirement in Japanese or Chinese. Alternatively, students may substitute Vietnamese, Korean, or other appropriate East Asian language through off-campus study. Students beginning at the 101 level will need a minimum of 5 semesters of language study or the equivalent.

Courses currently offered at Ursinus: Chinese & Japanese both offer a full curriculum: 101, 102, 111, 112, 211, 212, 311, 312, and 328.

2. Please note that the current major and minor descriptions will be updated soon. Students interested in majoring or minoring in East Asian Studies should contact the Program Coordinator as soon as possible.
3. **STUDY ABROAD.** EAS majors are **strongly encouraged** (but not required) to pursue study abroad in Japan, China or other appropriate country. Options for Japan include Tohoku Gakuin University (fall and summer), Akita International University (semester or year), and International Christian University (full year only). All CIEE programs are also pre-approved for China and Taiwan. All study abroad and summer programs should first be approved by the EAS Coordinator or appropriate language faculty.
4. **DOUBLE MAJORS.** For students interested in double majors, EAS is well suited to matching with a range of other majors, including Business & Economics, English, History, International Relations, Politics, and Theater. Students interested in exploring double majors involving EAS should consult with the EAS Coordinator.
5. **TEACHER CERTIFICATION.** Ursinus is one of only a small number of institutions in Pennsylvania to offer certification for secondary-school teaching in Japanese language. For requirements, candidates should consult the Ursinus College Education Department as well as their Japanese language instructor. Certification requires passing a language competency examination.
6. **LANGUAGE MINORS.** Most East Asian Studies majors also minor in Chinese or Japanese. Descriptions of these minors can be found in the Modern Languages Department section of this guide.

A typical program in East Asian Studies

This program assumes that a student is beginning at the introductory level of language. Students with advanced standing should be encouraged to pursue language study on the same pattern at advanced levels.

FIRST YEAR

Fall

CIE 100
Foreign Language 101
Humanities/EAS Core
College Core or Elective

Spring

CIE 200
Foreign Language 102
College Core or Elective
College Core or Elective

SECOND YEAR

Fall

Foreign Language 111
EAS Core
College Core or Elective
College Core or Elective

Spring

Foreign Language 112
EAS Core
College Core or Elective
College Core or Elective

THIRD AND FOURTH YEARS

Juniors should be encouraged to consider a year-long or semester study-abroad program. Students complete their language requirement in the junior and senior years (e.g., 211, 212, 311, & 312 in their target language). The capstone requirement is completed in the senior year.

Economics

ECONOMICS

Department Contact:

Jennifer VanGilder
jvangilder@ursinus.edu
Bomberger 311
Campus Extension: x3685

Required Courses for the Economics Major (44-48 Credit hours in BE outlined below)

A. Seven Required BE courses (24-28 credits):

- ECON-101 Principles of Microeconomics F/S (**Fall or Spring for first-year students**) considering
- ECON-102 Principles of Macroeconomics F/S (**Fall or Spring for first-year students**)
- ECON-151 Analytic Foundations in Economics and Finance F/S (**Spring for most first-years; see Advising Notes for how to obtain a waiver of this requirement**)
- ECON-201 Managerial Economics F/S (Prerequisites: C- or higher in ECON-101 and ECON-151)
- ECON-202 Intermediate Macroeconomics F/S (Prerequisites: C- or higher in ECON-102 and ECON-151)
- ECON-200W Research Methods in Economics F/S (Prerequisite: C- or higher in ECON-101 or ECON-102)
- ECON-300Q Econometrics F/S (Prerequisites: C- or higher in ECON-151, ECON-101 and ECON-102)

B. Concentration: Four electives (16 credits):

ECON majors must take four courses from: ECON-210, 213, 223, 231, 263, 311, 312, 313, 314, 330, 361, 362

C. Economics Capstone Course (4 credits):

ECON students must complete the Economics Capstone. See the catalog of information on the capstone course requirement.

ECONOMICS - TYPICAL PROGRAM & ADVISING NOTES

FIRST YEAR

Fall

ECON-101 OR 102
CIE 100
Foreign Language
Core Requirement

Spring

ECON-101 OR 102, ECON-151
CIE 200
Foreign Language
Core requirement

Advising Notes for First Year:

1. Students intending to major in ECON are advised to take **ECON-101 and ECON-102**. ECON-101 and -102 are offered in both spring and fall. ECON-101 and -102 have no pre-requisites; they may be taken in either order. They may be taken concurrently, but that is not recommended except for students who are late to the major.
2. **ECON-151 is recommended for the spring semester**. Students **CANNOT** take **ECON-151** unless they have taken ECON-101 or -102, or they are taking ECON- 101 or -102 concurrently. The

department chair will waive the ECON-151 requirement for students who place into MATH-112, get a C- or better in MATH-111, pass a college-level calculus course taken elsewhere, score a 4 or better on an AP calculus exam, or pass an exam administered by the B&E department **AND** pass STAT-141Q with a C- or better, pass a college level statistics course taken elsewhere, or score a 4 or better on an AP statistics exam.

3. Students who are thinking about pursuing doctoral studies or careers in data analytics – or those who simply have an interest in quantitative matters – are advised to take MATH-111 and STAT-141 instead of ECON-151. They would also benefit from further coursework in math, statistics, and computer science.
4. Please note that ECON-120 (Contemporary Global Economic Issues) **does not** count towards the major **but does satisfy the core “GN” requirement**. This is a survey course. Students seeking certification in teaching in Social Studies should take ECON-120; however, ECON-120 can NOT be taken by students who have successfully completed ECON-101 or ECON-102. Additionally, ECON-120 cannot be taken concurrently with ECON-101 or ECON-102.

SECOND YEAR

Fall

ECON-201 or 202
 ECON-200W or Core Requirement
 Core Requirement or Elective
 Core Requirement or Elective

Spring

ECON-201 or 202
 ECON-200W or Core Requirement
 Core Requirement or Elective
 Core Requirement or Elective

Advising Notes for Second Year:

1. Given the similarity between majors in ECON and FIN, students do not need to decide which path to follow until they take either ECON-200W or FIN-200W.
2. Given program flexibility, students can start the ECON major in the second semester of the second year and complete it on schedule (provided they have already satisfied most of the college core requirements). Students planning to study abroad during the junior year should follow this recommended program plan.
3. The pre-requisites for ECON-201 (Managerial Economics) are a C- or higher in ECON- 101 and ECON-151. Please note that ECON-201 is offered every semester. A student may take ECON-201 in spring of their second year and not encounter any difficulties in completing the major.
4. The pre-requisite for ECON-202 (Intermediate Macroeconomics) is a C- or higher in ECON-102 and ECON-151. Please note that ECON-202 is offered every semester. A student may also take ECON-202 in spring of their second year and not encounter any difficulties in completing the major.
5. Pre-requisites for ECON-200W (Research Methods) include a C- or higher in ECON-101 OR ECON-102 AND second-year standing. We do not recommend taking ECON-200W and ECON-201 at the same time.
6. ECON-201 and ECON-202 are math-oriented courses. The department typically advises that they be taken in different semesters.
7. Students who are undeclared second-year students but plan to major in the department should register for ECON-151 in the spring semester.
8. ECON-200W has a hard cap on enrollments at 16.
9. Students who are thinking about pursuing doctoral studies or careers in data analytics -- or those who simply have an interest in quantitative matters -- are advised to take ECON-300Q during their sophomore year.

THIRD & FOURTH YEARS

1. In the junior year, ECON Majors typically complete ECON-300Q, begin taking ECON electives in their desired track, and continue working on their core courses/electives. Students must take ECON-151 before taking ECON-300Q. In the senior year, ECON Majors typically complete required ECON courses, ECON electives, the ECON capstone course, and remaining college core and elective courses.
2. Students wishing to complete internships or independent research projects are encouraged to do so in either their junior or senior year. **Internship credit does not count towards the major but does satisfy the college XLP requirement.**
3. The ECON major is flexible enough for students to study abroad. If they follow the plan above, most students will be able to study abroad and complete the ECON major without difficulty.

**MINORS OFFERED IN THE APPLIED ECONOMICS DEPARTMENT CAN BE COMPLETED
USING THIS CHECKLIST AS A GUIDE**

APPLIED ECONOMICS DEPARTMENT MINOR REQUIREMENTS

<p>MINOR IN FINANCE & ACCOUNTING <i>A minor concentration in Finance & Accounting consists of 20 credits:</i></p> <p>() ECON-102 Principle of Macroeconomics () ACCT-140 Financial Accounting and Reporting () FIN-270 Introduction to Finance</p> <p>Choose Two Electives from below</p> <p>() ACCT 240 Advanced Financial Reporting <i>Prerequisite: C- or higher in ACCT-140</i></p> <p>() ACCT 241 Managerial Accounting <i>Prerequisite: C- or higher in ACCT-140</i></p> <p>() ACCT 242 Federal Income Tax Topics <i>Prerequisite: C- or higher in ACCT-140</i></p> <p>() ECON 362 International Finance Theory <i>Prerequisite: ECON-202, ECON-200W</i></p> <p>() FIN 370 Corporate Finance <i>Prerequisite: FIN-270, ECON-200W</i></p> <p>() FIN 372 Investments <i>Prerequisite: FIN-270, ECON-200W</i></p> <p>() FIN 374 Money and Financial Institutions <i>Prerequisite: ECON-202, ECON-200W</i></p> <p>Note: Majors in Applied Economics may minor in Finance & Accounting; however ECON-102 is the only course that may be counted towards both the Applied Economics Major AND the Finance & Accounting Minor</p>	<p>MINOR IN ECONOMICS <i>A minor concentration in Economics consists of 20-22 credits:</i></p> <p>() ECON-101 Principle of Microeconomics () ECON-102 Principle of Macroeconomics () ECON-150 Analytic Foundations in Applied Econ*</p> <p>One of the following classes</p> <p>() ECON-201 Intermediate Microeconomics () ECON-202 Intermediate Macroeconomics</p> <p>Choose Two Electives from below</p> <p>() ECON 213 Topics in Economics and Public Policy <i>Prerequisite: ECON-101 or 102 or permission</i></p> <p>() ECON 231 Behavioral Economics <i>Prerequisite: ECON-101 or 102 or permission</i></p> <p>() ECON 263 Development <i>Prerequisite: ECON-102 or permission</i></p> <p>() ECON-300Q Econometrics <i>Prerequisite: ECON-201, 202, 200W and a C- or better in Math 141Q</i></p> <p>() ECON 311 Health Economics <i>Prerequisite: ECON-201, ECON-200W</i></p> <p>() ECON 312 Labor Economics <i>Prerequisite: ECON-201, ECON-200W</i></p> <p>() ECON 314 Sports Economics <i>Prerequisite: ECON-201, ECON-200W</i></p> <p>() ECON 330 Strategic Analysis <i>Prerequisite: ECON-201 or 202, ECON-200W</i></p> <p>() ECON 361 International Trade <i>Prerequisite: ECON-202, ECON-200W</i></p> <p>() ECON 362 International Finance <i>Prerequisite: ECON-202, ECON-200W</i></p> <p>* Students can have this requirement waived by meeting one of the criteria described in the advising notes for the first year.</p> <p>Note: Applied Economics majors may not minor in Economics. An Applied Economics major who minors in Finance & Accounting must fulfill the concentration requirements in Economics.</p>
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MINOR IN MANAGEMENT STUDIES

A minor concentration in Management Studies consists of 24 credits

- () **ACCT-140 Financial Accounting and Reporting**
- () **MGT 200 Management & Organizational Behavior**

Choose ONE course focused in Ethics from below

- () **MCS 315 Media Ethics***
- () **PHIL 140 Applied Ethics**
- () **PHIL 240 Ethics**
- () **PHIL 246 Biomedical Ethics**
- () **PHIL 247 Business Ethics**
- () **PHIL/ENV 248 Environmental Ethics**

Choose THREE courses representing THREE different departments

Business and Economics

- () **ACCT 240 Advanced Financial Reporting**
Prerequisite: C- or higher in ACCT-140
- () **ACCT 241 Managerial Accounting**
Prerequisite: C- or higher in ACCT-140
- () **ECON 210 Race and Gender in American Econ**
Prerequisite: ECON-101 or -102
- () **MKT 250 Marketing**
Prerequisite: Second-year Standing
- () **MGT 300 Topics in Management Studies**
Prerequisite: Second-year Standing

English

- () **ENG 212 Bears Make History**

Environmental Studies

- () **ENV 338 Forests and People**
Prerequisite: ENV 100
- () **ENV 350 Topics**
With department chair approval

Health Sciences

- () **HS 226 Effective Coaching Strategies**
Prerequisite: HS225 or permission of instructor
- () **HS 245 Leadership in Adventure Activities**
- () **HS 446 Principles & Foundation of Health Fitness Management**
Prerequisite: HS 100

Media and Communication Studies

- () **MCS 307 Conflict and Communication**
- () **MCS 315 Media Ethics***
- () **MCS 350 Intercultural Communication**

Politics & International Relations

- () **POL 350 (Int'l Orgs. And Diplomacy)**
- () **POL 399 (Business Law ONLY)**

Psychology

- () **PSYCH 250 Organizational Psychology**
Prerequisites: PSYC 100, MATH 141Q
- () **PSYCH 350 Social Psychology**
Prerequisite: PSYC 100

Interdivisional Studies

- () **IDS 050 Entrepreneurship**
- () **IDS 110 Topics in Interdivisional Studies**
(Depends on topic)

Sociology

- () **SOC 255 Race and Ethnic Relations**
- () **SOC 260 Intermediate Topics (Depends on topic)**

Note: Applied Economic Majors are permitted to minor in Management Studies

**MCS 315 cannot count for both the ethics and elective requirements*

Education

EDUCATION

Department Contact

John Spencer
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Bomberger 126
Campus Extension: x3339

Carol Royce
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Campus Extension: x3581

Programs Offered

- A. An **Educational Studies program, with a major (39 credits) and minor (20 credits)**
- B. A **teacher certification program** that leads to state licensure to teach specific academic subjects, mostly for grades 7–12 but in some cases for grades PK–12. Certification students major in their prospective teaching subject (e.g., history, physics, French), not in educational studies, and take 38 credits in the Education department, including student teaching. (They may also earn the Educational Studies major as a *second* major with the addition of eight credits in the Education department. See details below).

C.

A. EDUCATIONAL STUDIES PROGRAM: MAJOR and MINOR

Educational studies majors and minors are provided with rigorous training in a broad curriculum including educational principles in philosophy, psychology, and social theory. Students earn a Bachelor of Arts in educational studies. Graduates of this program have pursued a variety of careers and graduate studies in education, such as higher education, education policy, school counseling, social justice work, museum education, and Teach for America.

- Further information on requirements for Educational Studies majors and minors can be found on our [website](#).

General Advising Guidelines for First-Year Students Considering the Educational Studies Major

Recommended Course Sequence for the first two years of the educational studies major:

FIRST YEAR

Fall or Spring:

EDUC-100 (O): Critical Issues in Education

EDUC-265 (SS): Educational Psychology (10 hours field experience; clearances required).

SECOND YEAR

EDUC 280 (D) or EDUC 310 (H)

Education Elective

Notes:

1. Students interested in majoring in Educational Studies should aim to take EDUC-100 and EDUC-265 in the first year. Both courses are offered each semester. Students should consult with the Education department before enrolling in additional courses during the first year.
2. EDUC-280 and EDUC/PHIL-310W are offered every other year. Students should aim to take one of those courses (whichever is offered) during sophomore year and the other course during junior year.
3. EDUC-270, 290, 330, and 380 are each offered every other year. Students wishing to take these electives should plan accordingly, consulting with the department about scheduled offerings.
4. EDUC-350W and 375 are teaching methods courses offered once per year in the fall. Students may take

these courses as part of the Educational Studies major but should consult with the Education department first.

5. EDUC-450 (capstone) is offered every other year. Students should take it either in junior year or senior year, depending which year it is offered.

B. TEACHING CERTIFICATION PROGRAM

Ursinus College is approved by the Pennsylvania Department of Education (PDE) to offer initial Pennsylvania state certification (transferable to more than forty other states), to teach in the following subject areas and grade levels:

Grades 7-12

Biology
Chemistry
English
Mathematics
Physics
Social Studies

Grades PK-12

French
German
Japanese
Spanish
Health and Physical Education
Environmental Education

NOTE: The department does not offer certification in elementary education (though as noted above, some subject area certifications span grades PK-12).

Recommended Course Sequence for Teacher Certification

The courses listed below are four credits unless otherwise noted.

FIRST YEAR

Fall or Spring:

EDUC-100: Critical Issues in Education

SECOND YEAR

Fall or Spring:

EDUC-265: Educational Psychology (10 hours field experience; clearances required).

Note: EDUC-265 may also be taken in the first year.

Spring:

EDUC-320: Diversity of Learners (10 hours field experience; clearances required)

THIRD YEAR

Fall:

EDUC-350W: Curriculum and Instruction (15 hours field experience; clearances required)

EDUC-375: The Inclusive Classroom (15 hours field experience; clearances required)

Note: EDUC-375 can also be taken in fall of senior year if student teaching is in spring of senior year.

Spring:

EDUC-360: Teaching English Language Learners (2 credits)

EDUC-443 Methods Practicum (2 credits) (25 hours field experience; clearances required)

FOURTH YEAR

Fall or Spring:

EDUC-453 Student Teaching (12 credits)

EDUC-454 Professional Seminar (2 credits)

Further information on requirements for teaching certification can be found on [our website](#).

- *Note:* Students who complete the teaching certification program may also earn the Educational Studies major as a second major (in addition to the major in the content area, which should be declared first) with the addition of eight credits in the Education department.

Students must complete additional requirements at various stages in the path toward certification:

1. *Admission to the program:*

- Completion of 48 hours of college-level study;
- Completion of CIE-100 and CIE-200;
- Completion of one course in mathematics/statistics and one four-credit Q course; or two four-credit courses in mathematics/statistics;
- Completion of EDUC-100;
- Passing scores on either the Pre-Service Academic Performance Assessment (PAPA) or ETS Core Exams in Reading, Writing, and Mathematics; OR qualifying SAT or ACT scores. Scores should be submitted to the Education department by the end of the second year; inquire in the Education Department.
- Cumulative GPA of 3.00

2. *Admission to student teaching:*

- Cumulative GPA of 3.00
- GPA of 3.00 in Education courses (100, 265, 320, 350W, 360, 375, and 443. Health and Physical Education candidates: HS-355 and 356 instead of EDUC-350W and 443)
- Required GPA in the candidate's major department/certification area
- Completion of EDUC-350W and EDUC-443 (or equivalent HPE methods courses) with satisfactory evaluations from Ursinus Education faculty and field placement teachers (for EDUC-443), in terms of performance and professionalism.
- Application for EDUC-443 and Student Teaching: to be completed and approved by the Education department during EDUC-350W (HPE candidates complete the application prior to student teaching).
- Recommendation by the candidate's major department and approval by Education Department faculty, based on academics and professionalism. ***Eligibility for student teaching is not guaranteed simply by passing the required courses with the required grades.***
- Completion of a new set of security clearances, by spring break (fall student teaching) or fall break (spring student teaching)

3. *Recommendation for certification:*

- Cumulative GPA of 3.00 at the end of student teaching, including the grade for EDUC-453 (Student Teaching) and EDUC-454 (Professional Seminar)
- Grade of B or higher in student teaching
- Satisfactory PDE-430 Evaluation by college supervisor
- Passing score on Praxis II (Content Area) exams

Reciprocal agreements extend certification eligibility to more than forty other states, though some states require additional standardized tests. Candidates who wish to teach outside Pennsylvania should contact state

education departments for further information. Eligibility for permanent certification in any state depends upon successful full-time teaching and professional development requirements that vary among individual states.

General Advising Guidelines for First-Year Students Considering Teaching Certification

1. **The decision to pursue certification:** Teaching certification is essentially equivalent to a major in terms of credits (38), and it culminates in a full semester of student teaching in a public school (which fulfills the College's XLP requirement—unless it is done in a 9th semester; see below). Students who finish the program successfully will need to have a strong commitment to the subject area they intend to teach and a strong desire to engage in the student teaching experience. Students often need time to figure out whether they have this level of commitment. Students who pursue Education coursework initially but end up not doing student teaching may earn a minor instead (see below), or perhaps even pursue the Educational Studies major.
2. **Long-range planning and student teaching:** Students who wish to pursue certification should communicate with the Education Department as soon as possible about that goal, and especially before registration periods. They should not assume they are in the program until they have done so. It is also helpful to think ahead to senior year and communicate as early as possible with the department about which semester of that year a student intends to do student teaching (avoiding athletic and other conflicts; see below). If there is no obstacle (such as Ursinus athletics) to student teaching in the spring of senior year, that tends to be a more practical option for most students. Note: some students elect to student teach in a 9th semester at a substantially reduced tuition rate; see the Education Department for details.
3. **Field experiences and clearances:** Field experience hours in schools are required in EDUC-265, 320, 350W, 375, and 443. Students must arrange transportation for all field experiences and student teaching. Students must also obtain the following security clearances prior to the start of the semester that will include the field experience hours: 1) Act 34, Pennsylvania State Criminal History Record; 2) Act 114, FBI Fingerprints (Federal Criminal History Record); 3) Act 151, Pennsylvania Child Abuse Background Check; and 4) Tuberculosis test. Instructions for obtaining clearances can be found on the Education Department website.
4. **Advising sheets:** Advising sheets for each certification subject area are available on the Education Department [website](#) and in the Education Department. Students may also contact the department chair or administrative assistant for additional information.

Additional advising notes:

1. **Health and Physical Education (HPE) students:** HPE certification students take HS-356 (28 hours field experience) and HS-355 (12 hours field experience) instead of EDUC-350W and EDUC-443. Both courses require clearances. Please check with the Health Sciences Department for course availability.
2. **EDUC-100, EDUC-265, and EDUC-320:** The main priority is to take all three by the end of the second year. EDUC-100 is typically taken first, but EDUC-265 is also an option as a first course. It is OK *not* to take an Education course in the first semester of the first year. However, students with an interest in certification should discuss it with their adviser and the Education Department as soon as possible in the first year.
3. **EDUC-350W, EDUC-443, and EDUC-453/454 sequence:** These must be taken in sequence, over three (or more) semesters.
4. **EDUC-443 field experience:** Students registering for EDUC-443 should leave a block of time in their schedule during which they can visit a school for 2-3 hours, every 1-2 weeks, for at least 25 hours during the semester.
5. **EDUC-453 (Student Teaching) and EDUC-454:** These are taken concurrently and should not be scheduled

during a student's participation in athletics or employment. No other courses, day or evening, may be scheduled. All Education coursework must be completed prior to student teaching.

6. **9th Semester Option:** Students may elect to student teach in a 9th semester; this may prove especially useful for students who get a late start in the program or otherwise have difficulty fitting in all requirements in eight semesters. Students graduate with their class after eight semesters, as usual, and tuition during the post-graduation 9th semester is significantly reduced. See the Education Department for details.
7. **Study Abroad:** Students planning to study abroad should consult with their advisor and the Education department as early as possible; it may be helpful to study abroad in the spring of sophomore year, or the fall of senior year, rather than during junior year.

English

ENGLISH AND CREATIVE WRITING

Contacts

Kara McShane

kmcshane@ursinus.edu

Olin 316

Campus Extension: x3443 (Department Extension 3595)

Requirements for the English Major

Required hours: 40 credits, comprising seven required ENGL courses, plus three elective courses.

- ENGL-290W: Methods in Literary Studies and ENGL-301W: Literary Theory.
- One course between ENGL-220 and ENGL 260
- At least three 300-level colloquia, including one covering literature before 1800 and one after 1800
- ENGL-440W or 492W.
- Elective courses may include any of the following: all ENGL or ENCW courses; EAS-224; FS-101, 250, 251, 252, 253, 305; IDS-290; LAS-215; MCS-207, 208; THEA-300W, 301W.
- One DN or GN course offered in ENGL/ENCW is required in addition to the college's DN/GN core requirement. Majors are encouraged to fulfill both requirements within the major.

Special Notes for Fall

- ENGL-104W provides an opportunity to enhance writing skills through revision and a variety of writing opportunities in a topics-driven course. Any incoming student is encouraged to take this course. Seats are reserved for first-year students.
- ENCW-106, Introduction to Creative Writing, has seats saved for first-years students; it fulfills the core art requirement, and can count toward the major or minor.

Requirements for a Minor in English

A minor concentration in English consists of at least five ENGL courses. ENGL-290W (Methods in Literary Studies) is required. ENGL-301W is strongly recommended. No more than one ENCW course may be included in the English minor.

Requirements for a Major in Creative Writing

Required hours: Students majoring in Creative Writing must complete forty-two credits, comprising six required courses, plus four elective courses.

- ENCW-290W;
 - Five other ENCW courses. Students must select courses from at least two genres, at least two of which must be at the 300 level or above. Two courses from MCS 206, 207 or 208 or THEA 210 may substitute for one of these courses;
 - at least three ENGL courses numbered 220 or above, including one focusing on literature before 1800 and one focusing on literature after 1800;
 - ENCW 420W Senior Portfolio or ENCW 492W;
 - At least two credits in MCS-009 (Grizzly) or ENCW-016 (Lantern) or ENCW-201
- One non-ENGL elective from the following list may replace one ENGL course: EAS-224; FS-101, 250, 251, 252, 253, 305; IDS-290; LAS-215; THEA-300W, 301W.

One DN or GN course offered in ENGL/ENCW is required in addition to the college's DN/GN core requirement.

Requirements for a Minor in Creative Writing

A minor concentration in Creative Writing consists of at least twenty-two credits. ENCW-290W is required. ENCW-420 is strongly recommended. Participation in Ursinus's writing community by serving as a staff member on either the Grizzly or the Lantern is also required, demonstrated by either ENCW-201 or by 2 credits in ENCW-016 or MCS-009-016. Other courses for the minor may include: any ENGL course; MCS-207, 208; THEA-210; or IDS-290. Fourteen credits toward the minor must be in ENCW.

Teacher Certification in English

Students seeking teaching certification in English for grades 7-12 must fulfill all departmental requirements for an English major. Their courses should include literary genres, themes, and histories. In addition, students working toward certification must take the following courses: ENGL-214; and either MCS-205, or any FS course. Students are strongly recommended to take either ENGL-220 or a 300-level colloquium on Shakespeare and ENGL-301. It is also strongly recommended that the candidate participate in student journalism or theater activities. Students and their advisers should consult the Ursinus College Education Department or Kara McShane.

Required courses for students working toward certification:

- ENGL-214
- Choose from MCS-205 or any Film Studies course.

Strongly recommended for students working toward certification

- Either ENGL-220 or a 300-level colloquium on Shakespeare
- Participation in student journalism, literary magazine, or theater activities

Students and their advisers should consult the Education Department booklet, *Ursinus College Teacher Education Programs Guide*, found on the Education Department Website.

General Advising Notes for the English Major

1. **Advanced Placement Credit.** Students who earn a 4 or a 5 on the following AP exams will be awarded credit for English:

AP Exam	Credit Awarded
English Literature & Composition	ENGL-104W

2. The department can plan programs to meet a variety of vocational objectives. Students typically choose their minors in consultation with their adviser/professors in the department to meet those vocational objectives.
3. See specific Advising Notes for each year below in the *Typical Program for English Majors* or *Typical Program for Creative Writing Majors*
4. A student who might wish to double major in English and Creative Writing should contact the department early in their program.

Typical Program for English Majors

The following program is presented as a general guideline only. The English major permits many variations in the scheduling of courses. Please note that Students can complete the major starting as late as the beginning of the junior year. Those who plan to be certified to teach need to begin in the second year.

FIRST YEAR

Fall

CIE 100
Foreign Language
English Course (see note below)^{1,3}
College Core or Elective

Spring

CIE 200
Foreign Language
ENGL-290W^{2,3}
College Core or Elective

Advising Notes for First-Year

1. First-year students who wish to take an English course during their first semester are advised to take ENGL-104W, an introductory creative writing course (ENCW-106, 205, or 206), or other English courses with numbers lower than 290.
2. Students are advised to take ENGL-290W (Methods in Literary Studies) in either spring semester of first year or fall of their second year, and no later than spring of their second year.
3. **First-year students who have earned AP credit for English** are permitted to take ENGL-290W in the fall or spring semester. They may also take a 200-level elective course. The Department may also allow a student with AP credit to take a survey course in the fall semester of first year.

SECOND YEAR

Fall

English Elective
Core Elective
Minor or College core or Elective
Minor or College core or Elective

Spring

300-level colloquium
Core Elective
Minor or College core or Elective
Minor or College core or Elective

Advising Notes for Second Year

1. Reminder that students are advised to take ENGL-290W (Methods in Literary Studies) no later than spring of their second year.

THIRD YEAR

Fall

English 300-level course
English 300-level course or College core or Elective
Minor or College core or Elective
Minor or College core or Elective

Spring

English 300-level course
Minor or College core or Elective
Minor or College core or Elective
Minor or College core or Elective

Advising Notes for Junior Year:

1. Study abroad is highly encouraged and is usually completed during the junior year. Internships may be scheduled during the junior year but are more often done in the senior year.
2. 300-level colloquia are the preferred courses for juniors and seniors. Each colloquium has different prerequisites, which are listed on the English course announcements for each semester.
3. English 301 is required for honors students and strongly encouraged for those planning on graduate school or teaching certification. It may be counted as one of the required three colloquia. Ideally it

should be taken in the junior year, unless the student will be abroad during the junior spring. It is typically offered only in spring semester.

FOURTH YEAR

Fall

English 300-level course or College core or Elective
 Internship or Minor or Elective¹
 Minor or College core or Elective
 Minor or College core or Elective

Spring

English 400-level seminar
 Minor or College core or Elective
 Minor or College core or Elective
 Minor or College core or Elective

Advising notes for senior year:

1. Internships may be scheduled during the junior year but are more often done in the senior year.

Typical Program for Creative Writing major

Year 1

Fall	Spring
CIE 100 Language ENCW-106 Quest course	CIE 200 Language ENCW-205 or ENCW-206 Quest course

Year 2

Fall	Spring
ENCW-290W ENGL Course Quest course elective	ENGL course Quest course Quest course ENCW course

Year 3

Fall	Spring
ENCW-300 ENCW-201 Quest course Elective	ENCW-300 Quest course Elective elective

Year 4

Fall	Spring
ENGL course Quest course Elective Elective	ENCW-420 Elective Elective elective

ENVIRONMENT and SUSTAINABILITY

Contact information

Patrick Hurley
phurley@ursinus.edu
Pfahler 112C
Campus Extension: x4323

Requirements for Environmental Studies Majors

All students majoring in Environment & Sustainability (ENVS) must take a minimum of 14 courses. At least two of three environmental and ecological science courses must have a S designation. ENVS majors fulfill the college requirements for writing, oral presentations, and capstone experience by completing one of the ENVS capstone courses: ENVS-450W, 452W, or 454W. The ENVS capstone courses also convey the applied nature of ENVS by engaging students in an applied group project. These projects typically entail a partnership with either an off-campus organization, another (i.e., non-ENVS) unit of the College, or in the management of one of the ENVS living-learning laboratories (e.g. Ursinus Food Forest, BearShare, etc.). The ENVS curricular requirements are as follows:

ENVS core courses (must complete all of the following):

- ENVS-100
- ENVS-120
- ENVS-244
- BIO-101Q.
- One introductory/intermediate environmental science course (CHEM-101Q/101L; ENVS/GEOS-142Q, 240Q; ENVS-180Q, or, if the department chair approves, ENVS-112 or ENVS-350). ENVS/GEOS-102Q does not fulfill this requirement.
- One advanced environmental science course (ENVS-266, 370, 372, or, if the department chair approves, ENVS-350)
- One ecological science course ENVS/BIO-234, 310, 320, 325, 330, 334, 336, 360, 365, 375, 415W, 419W, 442W, 455W; or, if the department chair approves, ENVS-350)
- One social science or humanities course (ENVS/SOC-220, 288, 290; ENVS/ANTH-230; ENVS/PHIL-248; ENVS/HIST-254, ENVS/POL-351; ENVS/PSYC-260; ENVS/RELS-261; ENVS/MCS-302, or, if the department chair approves, ENVS-110, 111, or 350)
- One introductory synthesis course (ENVS-242, 243, or, if the department chair approves, ENVS-350)
- One intermediate synthesis course with community engagement and applied problem-solving (ENVS-332, 338, 340, or, if the department chair approves, ENVS-350)
- One intermediate synthesis course on interdisciplinary data analysis and problem-solving (ENVS-361, 362, 364, 366, or, if the department chair approves, ENVS-350)
- One course in advanced critical thinking: ENVS-428W, or, if the department chair approves, ENVS-350)
- One advanced synthesis capstone course in environmental problem solving: ENVS-450W, 452W, or 454W, or, if the department chair approves, ENVS-350)
- Completion of an internship: ENVS-381 or 382

In consultation with the ENVS chair, students may petition to have ENVS-481W or 482W (independent research), or ENVS-491W and 492W (honors research) satisfy requirements in one of the environmental or ecological science, social science/humanities, or synthesis categories. For independent or honors research to fulfill the

major requirements, students must have already completed at least three of the four (12 semester hours) foundational ENVS requirements (ENVS-100, ENVS-120, ENVS-244, and BIO-101Q) and receive permission of the ENVS chair.

ENVS majors are also encouraged to complete a concentration and/or a minor (or major) in an additional area of focus. ENVS majors will receive a B.A. or B.S. degree, depending on their particular path through the major. Students who complete the standard ENVS degree (i.e. with no concentration, minor, or other major) will earn a B.A. Students who complete the Applied Sustainability, Environmental Justice, or Food Studies concentrations will earn a B.A. in ENVS. Students who complete a concentration in Biodiversity & Wildlife Conservation, Climate Change, or Earth & Environmental Science, minor in those fields, or minor/double major in Biology, Chemistry, or Physics will have the option to elect a B.S. degree in ENVS.

Recommended of all ENVS majors

- STAT-141Q

Concentrations in Environment and Sustainability

Students may opt to concentrate within their ENVS degree in a related field by directing their selections through the major purposefully. Concentrations may be pursued as part of the major; however, some courses may need to be completed in addition to 14 ENVS requirements, depending on course availability, students' schedules, specific requirements, etc. There are five possible concentrations: Applied Sustainability, Biodiversity & Wildlife Conservation, Climate Change, Earth and Environmental Science, Environmental Justice, and Food Studies. Students should talk about their interests in one of these areas with an ENVS advisor to determine if a specific concentration would be useful to them, as well as their more specific pathway within the concentration.

For all the concentrations, it is recommended that students complete the ENVS XLP in a topic germane to their concentration. ENVS-110-112, 350, or other courses may satisfy requirements within the concentrations, with permission of the ENVS department chair. Also in consultation with the ENVS chair, ENVS-481/482 and ENVS-491/492 may count toward a given concentration.

Requirements for the Environmental Studies Minor

All students minoring in Environment and Sustainability must complete a minimum of six courses that count towards the ENVS major:

- ENVS-100
- ENVS-120
- ENVS-244 or one environmental or ecological science (ENVS/GEOS-102Q does not fulfill this requirement)
- One introductory synthesis course or an ENVS social science or humanities course
- One intermediate synthesis course
- One additional course from one of the following categories: intermediate synthesis, advanced critical thinking, or advanced synthesis (capstone)

Teaching Certification in Environmental Education

Students interested in teaching may obtain a Pennsylvania teaching certification in Environmental Education (K-12). Requirements for certification include the successful completion of a major in Environmental Studies, a minimum GPA of 2.7 in Environmental Studies coursework, and other requirements as specified by the Ursinus College Education Department and the State of Pennsylvania. These additional requirements include further

coursework, a minimum GPA of 3.0 in Education courses, an overall GPA of 3.0, any necessary PAPA (Reading, Writing, and Mathematics) and Praxis II exams, and student teaching. Please work in close coordination with your academic advisor within Environmental Studies and consult the Ursinus College Education Department to coordinate your schedule to fulfill these requirements.

General Advising Guidelines for Environmental Studies Majors in Environment and Sustainability

1. **Study Abroad.** Many students who major in Environmental Studies also go abroad for one semester. Abroad programs exist that help to fulfill the requirements of the Environmental Studies major and include Ursinus College faculty-directed programs as well as pre-approved programs. It is helpful to work with your adviser early in your college career to plan for this time abroad.
2. **Internships.** Internships completed for academic credit, which are required of all ENVS majors, may be undertaken during the summer or fall or spring semester. Students must have completed 12 semester hours of environmental studies courses including ENV-100 and have permission of the supervising faculty member to be eligible for an internship. If the internship is completed in the summer, you should register for the course during registration for fall semester classes. Please plan your internship interests and explore opportunities with your adviser.
3. **Teaching Certification in Environmental Education.** Students who are interested in teaching Environmental Science/Studies should begin to take Environmental Studies classes in their first year as well as the requirements listed by the Ursinus College Education Department for certification

Typical Program for Environmental Studies Majors

Completion of the proposed ENVS major will be facilitated by careful planning by the student and his or her adviser. Many courses are offered only every other year, so students are urged to consider this when planning their four-year schedules. While some courses in the natural science, and social science/humanities categories have prerequisites, some of these prerequisites, when completed fulfill the Ursinus Quest requirements.

	FIRST YEAR
Fall	Spring
CIE 100	CIE 200
Foreign Language	Foreign Language
ENVS-100 ¹	ENVS-120 I (1)
BIO-101Q	ENVS Introductory Synthesis or Introductory Environmental Science (1)

Advising Notes for First-Year Students

¹Students interested in majoring in ENVS are strongly encouraged to take ENVS 100 in their *first year* (ideally Fall, but Spring is okay) and BIO-101Q. If ENVS100 is taken in the fall students should take ENVS-120 and either an Introductory Synthesis or Environmental Science course in the Spring.

SECOND YEAR

Fall

ENVS-244
ENVS Introductory Social Science/Humanities course
ENVS Introductory Synthesis (1) *and/or* ENVS Introductory Natural Science (1)²

Quest Course or Concentration Requirement

Spring

ENVS Intermediate or Advanced Environmental Science course
ENVS Intermediate Synthesis course (2)

Quest Course, (STAT-141 recommended) Elective or Concentration/Minor Requirement
Quest Course, Elective, or Concentration/Minor

Advising Notes for Second-Year Students

²Students who take ENVS 100 in their first fall and either an Introductory Synthesis or an Introductory Environmental Science course in the Spring are encouraged to take the other course in the fall of their second year, along with an Introductory Social Science/Humanities course.

THIRD YEAR

Fall

ENVS Advanced Environmental Science or ENVS Ecological Science³

ENVS Intermediate Synthesis (3)

Quest Course, Elective or Concentration/Minor Requirement
Internship (ENVS-381 or ENVS-382)

Spring

ENVS Advanced Environmental Science or ENVS Ecological Science

ENVS Intermediate Synthesis course (3) or Concentration/Minor Requirement
Quest Course, Elective or Concentration/Minor Requirement
Quest Course, Elective or Concentration/Minor Requirement

Advising Notes for Third-Year Students

³Students who take an ENVS Advanced Environmental Science in the Fall of the Third Year should consider taking their Ecological Science requirement in the Spring term of their Third Year (and vice versa).

FOURTH YEAR

Fall

ENVS Capstone course
Quest Course, Elective or Concentration/Minor Requirement
Quest Course, Elective or Concentration/Minor Requirement
Quest Course, Elective or Concentration/Minor Requirement

Spring

ENVS Advanced Critical Thinking
Quest Course, Elective or Concentration/Minor Requirement
Quest Course, Elective or Concentration/Minor Requirement
Quest Course, Elective or Concentration/Minor Requirement

FILM STUDIES MINOR

Program Contact

Jennifer Fleegeer, MCS

jfleegeer@ursinus.edu

Ritter 145

Campus extension: x4336

Requirements for the Film Studies Minor (20 hours as outlined below)

- FS-101 Introduction to Film Studies (offered every semester)
- FS-235 Topics in Film History (usually offered in fall semester)
- FS-250 Topics in National and Regional Cinema (such as French Film, Japanese Film, or Mexican Film; offerings vary by year; may not be available some semesters)
- Two or more additional courses from the following (these courses are offered occasionally):
 - FS-251 (Topics in Film Genre)
 - FS-252 (Topics in Film and Identity)
 - FS-253 (Special Topics)
 - FS-265 (Documentary Film Ethics)
 - FS-305 (Film Theory and Criticism)
 - FS-382 (Internship)
 - FS-390 (Research in Film Studies)
 - MCS-225 (Digital Filmmaking)

Advising Notes

- Students considering a Film Studies minor should begin with FS-101 if possible. **Note that there are always seats saved for first-year students in FS-101, so they may register even when there is a waitlist.**
- FS-235, FS-250, FS-251, FS-252, and FS-253 have no pre-requisites.
- FS-250 (Topics in National and Regional Cinema) may be offered on an irregular schedule, so students minoring in FS should not postpone this requirement to senior year. First-year students are welcome in FS-250.
- Many elective topics courses (such as Documentary or African-American Cinema) may be offered only once during a student's time at Ursinus, so students may want to select topics of particular interest when available.
- Occasionally relevant courses from other departments, such as ENGL209L Screenwriting, are allowed to count as elective courses toward the Film Studies minor with the advance permission of the Coordinator of the Film Studies program (contact Jennifer Fleegeer for information).
- FS-305, Film Theory and Criticism, is strongly recommended for students who plan graduate work in Film Studies. Since FS-305 is usually offered only occasionally, such students should take it whenever it becomes available. First-year students who are considering post-graduation study or work in Film Studies should be alerted to select FS-101 early in their Ursinus careers since that course is a pre-requisite for FS-305.

FINANCE

Department Contact:

Jennifer VanGilder

jvangilder@ursinus.edu

Bomberger 311

Campus Extension: x3685

Required Courses for the Finance Major (48 Credit hours in BE outlined below)

A. Seven Required BE courses (32 credits):

- ECON-101 Principles of Microeconomics F/S (**Fall or Spring for first-year students**)
- ECON-102 Principles of Macroeconomics F/S (**Fall or Spring for first-year students**)
- ECON-151 Analytic Foundations in Economics and Finance F/S (**Spring for most first-years; see Advising Notes for how to obtain a waiver of this requirement**)

Advising Notes for how to obtain a waiver of this requirement

- FIN-200W Research Methods in Finance (Prereq: C- in ECON-101 and ECON-151)
- ECON-201 Managerial Economics F/S (Prereq: C- in ECON-101 and ECON-151)
- OR** ECON-202 Intermediate Macroeconomics F/S (Prereq: C- in ECON-102 and ECON-151)
- ECON-300Q Econometrics F/S (Prereq: C- in ECON-151, ECON-101 and ECON-102)
- ACCT-140 Financial Accounting F/S
- FIN-270 Introduction to Finance F/S

B. Concentration: Three electives (12 credits):

FIN majors must complete three electives in finance or two electives in finance and one in accounting

- (Three courses from: ECON-362, FIN-213, 262, 313, 370, 372, 374, ACCT-213, 240, 241, 242, 313)

C. Finance Capstone Course (4 credits)

FIN students must complete the Finance capstone. See the catalog for information on the capstone course requirement.

FINANCE - TYPICAL PROGRAM & ADVISING NOTES FIRST YEAR

Fall	Spring
ECON-101 OR 102	ECON-101 OR 102
CIE 100	ECON-151
Foreign Language	CIE 200
Core Requirement	Foreign Language

Advising Notes for First Year:

1. Given the similarity between majors in ECON and FIN, students do not need to decide which path to follow until they take either ECON-200W or FIN-200W.
2. Students intending to major in FIN are advised to take **ECON-101 and ECON-102**. ECON-101 and - 102 are offered in both spring and fall. ECON-101 and -102 have no pre-requisites; they may be taken in either order. They may be taken concurrently, but that is not recommended except for students who are late to the major.
3. **ECON-151 is recommended for the spring semester**. Students **CANNOT** take **ECON-151** unless they have taken ECON-101 or ECON-102, or they are taking

ECON- 101 or ECON-102 concurrently. The department chair will waive the ECON-151 requirement for students who place into MATH- 112, get a C- or better in MATH-111, pass a college-level calculus course taken elsewhere, score a 4 or better on an AP calculus exam, or pass an exam administered by the B&E department **AND** pass STAT-141Q with a C- or better, pass a college level statistics course taken elsewhere, or score a 4 or better on an AP statistics exam.

- a. Students who are thinking about pursuing doctoral studies or careers in data analytics -- or those who simply have an interest in quantitative matters -- are advised to take MATH-111 and STAT-141 instead of ECON-151. They would also benefit from further coursework in math, statistics, and computer science.

SECOND YEAR

Fall

ACCT-140
FIN-200W or Core Requirement
Core Requirement or Elective
Core Requirement or Elective

Spring

FIN-270
Core Requirement
Core Requirement or Elective
Core Requirement or Elective

THIRD YEAR

Fall

ECON 201 or 202
FIN Elective
Core Requirement or Elective
Core Requirement or Elective

Spring

FIN Elective
FIN Elective
Core Requirement or Elective
Core Requirement or Elective

FOURTH YEAR

Fall

ECON 300Q
Core Requirement or Elective
Core Requirement or Elective
Core Requirement or Elective

Spring

FIN 403W
FIN Elective
Core Requirement or Elective
Core Requirement or Elective

Advising Notes for Second Year:

1. Given program flexibility, students can start the FIN major in the second semester second year and complete it on schedule (provided they have already satisfied most of the college core requirements). Students planning to study abroad during the junior year should follow this recommended program plan.
2. Pre-requisites for FIN-200W (Research Methods) include a C- or higher in ECON-101 OR ECON-102 AND second-year standing.
3. Students who are undeclared second-year students but plan to major in the department should register for ECON-151 in the spring semester.
4. FIN-200W has a hard cap on enrollments at 16.
5. Students who are thinking about pursuing doctoral studies or careers in data analytics -- or those who simply have an interest in quantitative matters -- are advised to take ECON-300Q during their sophomore year

Advising Notes for Third & Fourth Years:

1. The pre-requisites for ECON-201 (Managerial Economics) are a C- or higher in ECON- 101 and ECON-151. Please note that ECON-201 is offered every semester.
2. The pre-requisite for ECON-202 (Intermediate Macroeconomics) is a C- or higher in ECON- 102 and ECON-151. Please note that ECON-202 is offered every semester.
3. Students wishing to complete internships or independent research projects are encouraged to do so in either their junior or senior year. Internship credit does not count towards the major but does satisfy the college XLP requirement.
4. The FIN major is flexible enough for students to study abroad. If they follow the plan above, most students will be able to study abroad and complete the FIN major without difficulty.
5. Students beginning the major in their second year could complete it by the end of their fourth year by taking 4 courses in the major in each of their sophomore, junior, and senior years
Yr 2: ECON-101, -102, -151, ACCT-140,
Yr 3: FIN-200W, -270, ECON-201 or -202, Elective
Yr 4: ECON-300Q, FIN-403W, Elective, Elective

**MINORS OFFERED IN THE BUSINESS AND ECONOMICS DEPARTMENT CAN BE
COMPLETED USING THIS CHECKLIST AS A GUIDE
BUSINESS AND ECONOMICS DEPARTMENT MINOR REQUIREMENTS**

<p>MINOR IN FINANCE <i>A minor concentration in Finance & Accounting consists of 20 credits:</i></p> <p>() ECON-102 Principle of Macroeconomics () ACCT-140 Financial Accounting and Reporting () FIN-270 Introduction to Finance</p> <p>Choose Two Electives from below () FIN 200W Research Methods in Finance <i>Prerequisite: ECON-101 and 102 or permission</i> () FIN 262 Corporate Valuation and Financial Modeling <i>Prerequisite: ACCT-140, ECON-102 or 101</i> () FIN 213 Topics in Finance () FIN 313 Advanced Topics in Finance () FIN 370 Corporate Finance <i>Prerequisite: FIN-270, ECON-200W</i> () FIN 372 Investments <i>Prerequisite: FIN-270, ECON-200W</i> () FIN 374 Money and Financial Institutions <i>Prerequisite: ECON-202, ECON-200W</i></p> <p>Note: Majors in Economics may minor in Finance; however, ECON-102 is the only course that may be counted towards both the Economics Major AND the Finance Minor</p> <p>MINOR IN ACCOUNTING <i>A minor concentration in Accounting consists of 20 credits:</i></p> <p>() ACCT-140 Financial Accounting and Reporting () FIN-270 Introduction to Finance () ACCT 213 Topics in Accounting () ACCT 240 Advanced Financial Reporting <i>Prerequisite: C- or higher in ACCT-140</i> () ACCT 241 Managerial Accounting <i>Prerequisite: C- or higher in ACCT-140</i> () ACCT 242 Federal Income Tax Topics <i>Prerequisite: C- or higher in ACCT-140</i></p>	<p>MINOR IN ECONOMICS <i>A minor concentration in Economics consists of 20 credits:</i></p> <p>() ECON-101 Principle of Microeconomics () ECON-102 Principle of Macroeconomics One of the following classes</p> <p>Choose THREE Electives from below () ECON 200W Research Methods in Economics <i>Prerequisite: ECON-101 or 102 or permission</i> () ECON-201 Intermediate Microeconomics <i>Prerequisite: ECON-101 and ECON-151</i> () ECON-202 Intermediate Macroeconomics <i>Prerequisite: ECON-102 and ECON-151</i> () ECON 213 Topics in Economics and Public Policy <i>Prerequisite: ECON-101 or 102 or permission</i> () ECON 231 Behavioral Economics <i>Prerequisite: ECON-101 or 102 or permission</i> () ECON 263 Development <i>Prerequisite: ECON-102 or permission</i> () ECON-300Q Econometrics <i>Prerequisite: ECON-201, 202, 200W and a C- or better in Math 141Q</i> () ECON 311 Health Economics <i>Prerequisite: ECON-201, ECON-200W</i> () ECON 312 Labor Economics <i>Prerequisite: ECON-201, ECON-200W</i> () ECON 213 Topics in Economics () ECON 314 Sports Economics <i>Prerequisite: ECON-201, ECON-200W</i> () ECON 330 Strategic Analysis <i>Prerequisite: ECON-201 or 202, ECON-200W</i> () ECON 361 International Trade <i>Prerequisite: ECON-202, ECON-200W</i> () ECON 362 International Finance <i>Prerequisite: ECON-202, ECON-200W</i></p> <p>* Students can have this requirement waived by meeting one of the criteria described in the advising notes for the first year. Note: Economics majors may not minor in Economics. An Economics major who minors in Finance OR Accounting must fulfill the concentration requirements in Economics.</p>
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MINOR IN MANAGEMENT STUDIES

A minor concentration in Management Studies consists of 24 credits

- ACCT-140 Financial Accounting and Reporting**
- MGT 200 Management & Organizational Behavior**

Choose ONE course focused in Ethics from below

- MCS 315 Media Ethics***
- PHIL 140 Applied Ethics**
- PHIL 240 Ethics**
- PHIL 246 Biomedical Ethics**
- PHIL 247 Business Ethics**
- PHIL/ENV 248 Environmental Ethics**

Choose THREE courses representing THREE different departments

Business and Economics

- ACCT 240 Advanced Financial Reporting**
Prerequisite: C- or higher in ACCT-140
- ACCT 241 Managerial Accounting**
Prerequisite: C- or higher in ACCT-140
- ECON 210 Race and Gender in American Econ**
Prerequisite: ECON-101 or -102
- MKT 250 Marketing**
Prerequisite: Second-year Standing
- MGT 300 Topics in Management Studies**
Prerequisite: Second-year Standing

English

- ENG 212 Bears Make History**

Environmental Studies

- ENV 338 Forests and People**
Prerequisite: ENV 100
- ENV 350 Topics**
With department chair approval

Health Sciences

- HS 226 Effective Coaching Strategies**
Prerequisite: HS 225 or permission of instructor
- HS 245 Leadership in Adventure Activities**
- HS 446 Principles & Foundation of Health Fitness Management**
Prerequisite: HS100

Media and Communication Studies

- MCS 307 Conflict and Communication**
- MCS 315 Media Ethics***
- MCS 350 Intercultural Communication**

Politics & International Relations

- POL 350 (Int'l Orgs. And Diplomacy)**
- POL 399 (Business Law ONLY)**

Psychology

- PSYCH 250 Organizational Psychology**
Prerequisites: PSYC 100, MATH 141Q
- PSYCH 350 Social Psychology**
Prerequisite: PSYC 100

Interdivisional Studies

- IDS 050 Entrepreneurship**
- IDS 110 Topics in Interdivisional Studies (Depends on topic)**

Sociology

- SOC 255 Race and Ethnic Relations**
- SOC 260 Intermediate Topics (Depends on topic)**

Note: Economic Majors are permitted to minor in Management Studies

**MCS 315 cannot count for both the ethics and elective requirements*

Food Studies

FOOD STUDIES (MINOR)

Program Contact

Lauren Wynne
lwynne@ursinus.edu
Bomberger 222
Campus extension: 3048

Food Studies

Food studies is an interdisciplinary minor designed to introduce students to integrative learning experiences across areas of study within food and agriculture. The minor program provides students with curricular opportunities for developing knowledge and critical analytical skills and co-curricular opportunities for research and other applied experiences. Both the curriculum and co-curricular experiences are representative of the breadth and depth of food and agriculture studies available at Ursinus, and include natural sciences, social sciences, and humanities options, as well as interdisciplinary courses and experiences.

Requirements for the Food Studies Minor (20 hours plus an applied learning experience)

- Students must take two of the following four core courses (the others may be taken as an elective):
 - ENV-216
 - ANTH/ENV-230
 - BIO/ENV-234
 - ENV-454W
- Elective course options
 - BIO/ENV-234, 325, 334, 415W, 455W
 - ENV-216, 242, 338, 340, 366
 - PHIL/ENV-248
 - POL-343, 354, 399
 - SOC/ENV-288

Advising Notes

Special topics and other new courses may count toward the minor with the permission of instructor and the Food Studies coordinator. Such courses must contain substantive content germane to food studies. Courses taken during study abroad may also count toward the minor, with permission of the student's academic advisor and the Food Studies coordinator.

For Biology or Environmental Studies majors wishing to minor in food studies, at least 12 of the 20 credits for the minor must be in addition to credits already counting toward their major.

To fulfill the minor, students must also complete an applied learning experience, the focus of which is germane to food studies, from among the following options:

- Office of Sustainability Fellows Program (Food, Farm, Water, others as appropriate)
- Internships (ENV-381 or 382, others as appropriate)
- Semester-long research (directed, independent, or honors) with participating food studies faculty
- On campus or off-campus practicums (ENV-001, 002, 003, 004, 005, 006, others as appropriate)

- Accredited off-campus research (BIO-485, others as appropriate)
- Bonner Leaders Program
- Melrose Fellows
- Model UN
- Parlee Center for Science and the Common Good Fellows
- U-Imagine
- Summer Fellows research
- Study Abroad

Use of Bonner Leaders, Melrose Fellows, Model UN, Parlee Center Fellows, U-Imagine, or Summer Fellows to fulfill the applied learning experience of the food studies minor requires the joint approval of the Food Studies coordinator and the director or advisor of the respective program.

GENDER, WOMEN'S, AND SEXUALITY STUDIES MINOR

Program Director

Abby Kluchin

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she/he/hers

Olin Hall 222

Campus Extension: 3673

Overview

Gender, Women's, and Sexuality Studies is an interdisciplinary minor that enables students to focus on the cross-cultural study of women, feminism, gender, gender identity, sexual identity, sexual orientation, and more. The GWSS minor thoroughly equips students with a set of theoretical vocabularies and frameworks to conceptualize, explain, and reflect upon the complex and shifting categories of sex, gender, and sexuality. As such, a GWSS minor offers a valuable complement to many majors.

Requirements for Minor

A minor consists of 20 credits. All students must take GWSS 200 (Introduction to Gender, Women's, and Sexuality Studies). The remaining credits must either come from courses specifically listed in the catalog or other courses that deal significantly with gender issues and are approved by the Gender, Women's, and Sexuality Studies coordinator. Courses that currently count for GWSS elective credit include, but are not limited to: GWSS/ANTH-225, GWSS/SOC-227, GWSS/SOC-263, GWSS/EDUC-402, GWSS/ENGL-228, GWSS/ESS-301, GWSS/HIST-302, GWSS/HIST-328, and GWSS/HIST-366. In addition, special topics courses, seminars, internships and independent study projects may count toward the minor with the approval of the course instructor and the GWSS coordinator.

General Advising Guidelines for GWSS minors

- Courses in Gender, Women's, and Sexuality Studies encourage students to cultivate skills in self-reflection, cultural criticism and social activism. Students who enroll in courses in Gender, Women's, and Sexuality Studies are taught to question assumptions about gender and sexuality, to examine subjects from a feminist perspective and to make connections between their personal lives and the subjects they are studying. Students interested in issues concerning women, gender, and sexuality are often passionate about social justice.
- The minor in Gender, Women's, and Sexuality Studies offers a practical background as well. Businesses and organizations have become more aware of issues surrounding gender and sexuality and are increasingly likely to hire people with such a background, recognizing that they understand and appreciate the changing work force. There is also growing demand in the fields of law, medicine, social work, teaching, counseling and public service for expertise on these issues. A GWSS minor not only provides students with analytical and theoretical skills; it also offers them the practical benefit of making them better job candidates.
- Other opportunities for GWSS minors: Minors can also submit their work at various regional conferences and bolster their resume through this professional activity. Minors can find out about and attend conferences in the area on topics related to Gender, Women's, and Sexuality studies. Minors can participate in student-led workshops on topics such as sexual violence. Minors can do internships for credit at various women's organizations.
- Because the minor requires only 4 courses, students have considerable flexibility in completing the requirements. GWSS-200 does not need to be taken before other courses for the minor but is a good place to start. **Students may transfer in GWSS elective credits, but GWSS-200 must be taken at Ursinus.**

HEALTH AND SOCIETY

Program Coordinator

Kelly Sorensen

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Campus extension: 3527

Questions core to the major include:

1. What is human health and what about it should matter to us? Is health an intrinsic good, and instrumental good, or both? How do we reckon with health disparities induced by forms of social stratification including but not restricted to race, gender, sexuality and religion?
2. What are our responsibilities and obligations to each other about health? Is health care a right, as the United Nations' 1948 Declaration of Human Rights claims? How should scarce medical resources (like kidneys and livers for transplant) be distributed? How should health care system resources (like access to medical professionals) be distributed? What are the tradeoffs between public health and individual choices (in cases like vaccines)?
3. How can we understand human health – in terms of biological capability and function, in terms of social constructions, or both? How do understandings of health vary across and within cultures? How do biomedical models of health and health care accommodate alternate non-western perspectives? What are the implications for patients and providers when these perspectives on health diverge?
4. What should we do about this key human good? What are the strengths and limitations of policy reform to improve the health of human populations? What are the impacts of patient activism and health movements on health care reforms? How has biomedicine sought to integrate humanistic and social science perspectives into improving clinical work?

Requirements for the Health and Society Major

Note: 40 credits are required to fulfill the Health and Society major

1. Introductory courses (both courses required for all majors):
 - a. HSOC-100
 - b. STAT-141Q
2. Foundational courses (three courses, one from each list):
 - a. ANTH-235, POL-354 or SPAN-308
 - b. PHIL-246 or POL/IDS-336
 - c. BIO-102Q or 150
3. Research methods course (one course from the following list):
 - a. ANSO-200; HS-261W; HIST-200W; PHIL-246; POL-300; PSYC-200Q; STAT-243W.
4. Interdisciplinary courses (note: no more than one may be taken at the 100- or 200-level):
 - a. Humanities (one course from the following list)
 - i. ENGL-330*; HIST-475W; PHIL-240, 246, 354*; POL/IDS-336; SPAN-308.
 - b. Social science (one course from the following list):

- i. ANTH-235; ECON-311; ENV-216, 332; ENV/SOC-220; HS-203, 275; HS/SOC-298; POL-343, 354; PSYC-214, 275*, 310, 312, 320.
- c. Natural science and mathematics (one course from the following list):
 - i. BIO-102, 150, 201, 306, 350*; BIO/HS-205, 206; ENV-140Q, HS-334; STAT-243W.
- 5. Capstone course (one course from the following list):
 - a. ANSO-460W; ECON-403; HS-413, 447, 452; POL-437W, 442W, 452W, 470.
 - b. Additional substitutions may be approved by the coordinator on a case-by-case basis.
- 6. Applied Learning experience:
 - a. Students must complete an applied learning experience focusing on health and society, from among the following options, with the approval of the coordinator.
 - Internships
 - Bonner Leaders Program
 - Melrose Fellows
 - Model UN
 - Semester-long research (directed, independent, or honors) with participating faculty
 - Accredited off-campus research (BIO-485, others as appropriate)
 - Parlee Center for Science and the Common Good Fellows
 - U-Imagine
 - Summer Fellows research
 - Study Abroad

Note: Courses marked with an asterisk () may be counted in semesters when the topic is approved by the coordinator.*

General Advising Notes for Health and Society Majors

- Health and Society majors should plan to take a Research Methods course (item 3 above) and a Capstone course (item 5 above) in the same or closely related disciplines. Students planning to declare a major should discuss their plans as early as possible with the coordinator.
- No more than 20 of the 40 credits for the major may come from any one department. A particular course may only fulfill one major requirement category.
- For students planning on obtaining a Master of Public Health degree, one semester of calculus (MATH-111 or 112) is highly recommended.

Requirements for a minor in Health and Society

A minor in Interdisciplinary Health Studies consists of 20 credits.

1. HSOC-100
 2. Two of the following six courses:
 - a. ANTH-235; BIO-150, 350*; HS-275; HS/SOC-298; PHIL-246; POL-354.
 3. Two courses from the following list (or from among the remaining courses under Requirement (2)), where one of the two is either a Humanities (H) or Science (S) course:
 - a. Science: BIO-305, 306; BIO/HS-205, 206; ENV-140Q; ENV/SOC-334; HS-203, 334; STAT-243W
 - b. Humanities: ENGL-330, HIST-475W, PHIL-354*, SPAN-308
 - c. Other: ECON-311, ENV-216, ENV/SOC-220, POL-343, 336
- Courses marked with an asterisk (*) may be counted in semesters when the topic is approved by the coordinator.

- At least 12 of the 20 credits for the minor must be in addition to credits already counting toward the student's major(s) and/or another minor.
- Capstone courses, special topics courses, and independent study courses may also count toward the minor when the topic is appropriate and with prior approval from the coordinator.

Typical Program in Health and Society Majors

FIRST YEAR

Fall

CIE-100
 HSOC-100
 College Core or Elective
 Foreign Language

Spring

CIE-200
 BIO-102Q or BIO-150
 STAT-141Q or HS-202
 Foreign Language

SECOND YEAR

Fall

STAT-141Q or HS-202
 Foundational course
 College Core or Elective
 College Core or Elective

Spring

Research methods course
 Foundational Course
 College Core or Elective
 College Core or Elective

THIRD AND FOURTH YEARS

Juniors should be encouraged to complete the applied learning experience (XLP) and their interdisciplinary courses prior to their senior year. Seniors will take their capstone course.

Health Sciences (HS)

HEALTH Sciences (HS)

Contact Information

April Carpenter
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Campus Extension: 3101

Requirements for ALL HS Majors

1. HS-100 Concepts of Wellness and Fitness
2. STAT 141Q Statistics I
3. HS-202 Concepts in Public Health

4. HS-334 Nutrition

5. A Capstone Course. All HS majors must complete a capstone experience by taking HS 413, 455, 446 or 447 or 491W.

All HS Majors are required to complete at least one area of concentration: **Allied Health (AH)**, **Public Health (PH)** or **Teacher Preparation in Health and Physical Education (TC)**.

A. Allied Health (AH) and Public Health (PH)

For students preparing for post-graduate work and/or careers in the following areas: physical therapy, nursing, physician assistant, occupational therapy, athletic training, corporate fitness, exercise physiology, health promotions, etc. are required to complete HS-150 and HS-262.

All AH Concentration students must complete the four of the following courses one of which must be at the 400 level

- 203, 220, 232W, 263, 275, 278, 298, 300, 333, 340, 360, 366, 413, 446, 447, 452, 460 or 464
- Specific research or internship interests should be addressed through one of the following:
381, 382, 391, 392, 482, 491W, 492
- Recommended AH concentration electives include
209, 210, 220, 240, 247, 270

NOTE: It is highly recommended that students considering graduate school begin to identify programs of interest no later than the end of their second year to determine individual prerequisite needs for admittance. Students seeking admission to allied health programs are advised to take two or more upper level BIO courses (300/400 level) in addition to Anatomy and Physiology, CHEM-105/105L, 106/106L or 206/206L; MATH-111; PHYS-111Q and 112; and various courses from the Humanities and Social Science Divisions.

B. Teaching Concentration (TC)

All TC concentration students must complete the following:

NOTE: Students wishing to obtain PA teacher certification for grades K-12 must take:

EDUC-100	EDUC-360
EDUC-265	EDUC-375
EDUC-320	EDUC 453
	EDUC-454

In addition, students must successfully complete the appropriate Praxis examinations. Students must earn a cumulative 3.0 GPA (Pennsylvania Department of Education Standard) and a 2.8 GPA within the HS Department to receive the departmental recommendation to be eligible to student teach. Students and their advisers should consult the Teacher Education Program Guide on the Education Department's website for further information.

TYPICAL HEALTH Sciences MAJOR PROGRAM (AH/PH CONCENTRATION)

Below outlines a typical course sequence for HS majors with an HS concentration in the first and second years. Junior and senior year scheduling are flexible. Students are advised to consult with their HS adviser to discuss selection and sequencing of courses, study abroad, research opportunities, etc.

Please note: Practicum and Internship courses in the HS Department

HS 382 enrollment is open to all juniors, and senior HS majors

HS 482 enrollment is open to second semester juniors and all senior HS majors

FIRST YEAR

Fall

BIO-101¹

HS-100² and HS-150

CIE-100

Foreign Language

Spring

BIO-102

STAT-141Q

CIE-200

Foreign Language

Advising Notes for First-Year

1. All potential HS majors planning to attend graduate school should take BIO-101 and 102 during their First Year. BIO-101 is offered in fall and BIO-102 is offered in Spring. BIO-101 is not a prerequisite for BIO-102.
2. All potential HS majors are advised to take HS-100 during their first year. HS-100 is a prerequisite course for a number of other HS courses. HS 100 is offered in fall and spring semesters.
3. If possible all potential AH and PH majors should take HS-150 in their First Year. Students who are interested in majoring in HS who have not completed a science course in their first semester should sign up for BIO 102 to prepare them for BIO/HS 205 which typically begins in the fall semester of their second year.

SECOND YEAR

Fall

BIO/HS-205 (AH/PH); BIO-207 (PH)

HS-262

HS-202

College Core

Spring

BIO/HS-206 (AH/PH); BIO-208 (PH)

HEP elective

Major elective

College Core

TYPICAL HEALTH Sciences MAJOR PROGRAM (TC CONCENTRATION)

Below outlines a typical course sequence for HS majors with a Teaching Certification concentration in the first year. Scheduling beyond the first year can vary greatly. Students are advised to consult with their HS adviser to discuss selection and sequencing of courses, study abroad, research opportunities, etc.

Please note: Potential Health and Physical Education (H&PE) student teachers should declare the HS major prior to the beginning of their second year because of scheduling constraints related to completion of PA State Teacher Certification Standards.

FIRST YEAR

Fall

STAT-141Q
HS-100
CIE-100
Foreign Language
HS 224

Spring

BIO-102Q
EDU 100
CIE-200
Foreign Language
HS 235

Advising Notes for First-Year

Any student considering this track please contact the department with name/info

1. All potential HS majors are advised to take HS-100 and STAT 141Q during their first year. Both courses are offered in fall and spring. HS-100 is a prerequisite course for a number of other HS courses.
2. Potential H&PE student teachers should begin taking 200 level activities courses in the first year if possible.
3. It would be beneficial for any student considering this track to contact Michelle Vande Berg in the HS department as soon as the major is declared.

Requirements for the Coaching Minor

- HS-100
- HS-220
- HS-278
- HS-365
- HS-366W
- Choose from two of the following: HS- 210,223, 224, 225, 226 or 245
- HS 270 is strongly recommended

Requirements for the Health Science Minor

- HS-100
- BIO-206 or BiO-306 and HS 334
- BIO-205 and HS 205L or BIO-305 and HS 351
- BIO-206 or BIO-306 and HS 352Q
- Choose from two of the following: HS-202, 203, 232W, 275, 298, 300, 366W, and 447 for a total of 20 credits.
- Note: Allied Health concentration majors cannot receive a health science minor.

History

HISTORY

Department Contact:

Edward Onaci

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Olin 310

Campus extension: x3136

Overview

The History Department curriculum was designed to engage and challenge students and also to support a wide range of interdisciplinary programs as well as the core curriculum. In that respect, history is a smart double major (or major + minors) for many students. We support students pursuing a double major by allowing them to count one course in their second major towards the history major. We also pride ourselves on empowering students to direct their own growth, while providing them with active support and mentorship. Our departmental community is welcoming, with many opportunities for collaboration, research, leadership, and alumni networking, and we strongly encourage our majors to get off campus via internships, externships, study abroad, and other opportunities. **Contrary to stereotype, history majors are successful in a wide range of careers.** History faculty are happy to offer specific advice to students concerned about career options; such students may also want to check out <https://www.historians.org/teaching-and-learning/why-study-history/careers-for-history-majors>.

Requirements for the History Major (44 credits)

History majors must normally take a minimum of eleven courses that fulfill the following requirements:

- HIST-101 or 102
- HIST-125 or 126
- Three electives
- HIST-200W
- One 300-level U.S. and American history course
- One 300-level non-Western history course
- One 300-level world and comparative history course
- One 300-level European and Mediterranean history course
- One 400-level Capstone Seminar (HIST-425W, 426W, 450W, 451W, or 475W)

The three electives must each come from a different geographic region, including U.S. and American history, European and Mediterranean history, non-Western history, and World and Comparative history. At least two electives must be at the 200-level; the third elective may be at the 100-, 200- or 300-level.

Major Requirements (graphic depiction):

1	101 or 102
2	125 or 126
3	200W
4	200-level elective
5	200-level elective
6	100, 200, or 300-level elective
7	300-level (U.S. and American)
8	300-level (Non-Western)
9	300-level (European and Mediterranean)
10	300-level (World/comparative)
11	400-level Capstone Seminar

The three electives must each come from a different geographic region, including U.S. and American history, European and Mediterranean history, non-Western history, and World and Comparative history. At least two electives must be at the 200-level; the third elective may be at the 100-, 200- or 300-level.

Exceptions to the 44-credit norm: History majors who are approved to register for HIST/IDS-492W may count HIST/IDS-491W as their third elective. History majors completing two or more majors may count a course outside the History Department as their third elective with approval of their History Department faculty advisor. History majors may petition their faculty advisor in the department to count one Advanced Placement or transfer course as their third elective, pending syllabus review. The History Department welcomes majors transferring to Ursinus College and encourages them to consult the department chair proactively regarding transfer credits and completion of the major.

Concentrations: History majors may choose, but are not obligated, to fulfill a Concentration.

Concentrations include:

- African and African-American history
- East Asian history
- European and Mediterranean history
- Non-Western history
- U.S. and American history
- World and comparative history
- Student-Initiated Concentration

Linked Inquiry and Core Capstones: The History Department currently offers two LINQ courses (with a third in development), and our Capstone Seminars are also Core Capstones. Because our courses support many interdisciplinary programs, an interdisciplinary minor may be a smart way for a history major to complete the LINQ requirement.

Requirements for the History Minor (20 Credits)

Students seeking a minor in history must complete a minimum of five courses in the department, including HIST-200W and at least one course at the 300-level or higher. One Advanced Placement or transfer course may be counted towards a minor in History. Students planning to minor in history are advised to take 200W in their sophomore or junior year, after taking one or two lower level history courses and before taking a 300-level history course.

General Advising Guidelines for History Majors

What happens in history courses?

Our courses are student-centered and emphasize active learning pedagogies. They are not lecture courses; instead, students are asked to do work before class (both alone and in groups) and to use class time to collaborate, discuss, solve problems, and work on projects.

In Ursinus College history courses, students learn how to:

- Ask smart and original questions;
- Research effectively and analyze many different kinds of evidence;
- Synthesize evidence to arrive at answers and solve problems;
- Construct, deconstruct, and debate arguments;
- Communicate across media and audiences;
- Appreciate and respect human difference.

What course level is right for my advisee?

- 100-level courses are most appropriate for first- and second-year students. Most seats in 100-level courses are reserved for first- and second-year students.
- 200-level courses are most appropriate for first- and second-year majors and non-majors of any year who are comfortable with critical reading, writing, discussion, and basic time management.
- 300-level courses are designed for majors in their second year or beyond. Prerequisites for 300-level courses are sophomore standing and any 200-level history course, or permission of the instructor.

If your FY advisee wants to take...	Then you should tell them....
A 100-level history course	Go ahead and enroll!
A 200-level history course	Other than HIST-200W, go ahead and enroll!
A 300-level history course	300-level history courses have pre-requisites among them sophomore standing. They should take a 100-level or 200-level history course and/or speak with the instructor.

Is a major or minor in history a good choice for my advisee?

Students who thrive in our department:

- Are curious and investigative; they like asking questions and looking for answers.
- Are comfortable with ambiguity and complexity. (Cookie-cutter answers are just unconvincing to them!)
- Have imagination and empathy; they like seeing what things look like from another point of view.
- Enjoy both analytical and creative work.
- Want to see the ‘big picture’ and find connections between times, places, ideas, people, and cultures.
- Are committed to making the present and future world a better place.
- Enjoy a mix of independent and collaborative work and being part of a community.

Will my advisee get a job? What can they do with a history major?

90% of our majors are employed full-time or in graduate school full-time a year after graduation. History majors pursue careers in a number of areas including law, business and management, public administration, journalism, international NGOs and non-profits, library and information science/data analytics, museums and public history, and education. Nationally, the median salary for a history major is \$55,000 and the unemployment rate for history majors is 4.4%. The largest career fields for history majors nationally are:

- Education, training and library sciences (18%)
- Management in business, science, and the arts (15%)
- Law and legal professions (11%)

- Sales (10%)
- Administration (10%)
- Between 5-10%:
 - Business operations
 - Arts, design, entertainment, sports, and media
 - Financial services
 - Community and social services
 - Information and communications technology
 - Healthcare
 - Life, physical and social sciences
 - Transportation, manufacturing, construction, and personal care
 - Protective services

[All national data for respondents with full-time employment ages 25-64 between 2010-2014.]

Careers for recent Ursinus College history alumni fall into five large categories (in alphabetical order): education and learning; government and non-profit work; law; media and information management; and museums and public history. We have incorporated proactive career planning into the curriculum for history majors. Please encourage students interested in history but concerned about jobs to contact history faculty directly for more information and advice.

Can my advisee study abroad/student teach/do research/do an internship with a major in history?

Yes! Students seeking teaching certification in Social Studies usually major in History. We strongly encourage our majors to complete internships and externships, to study abroad, and to undertake independent research. The department does its best to be as flexible as possible with requirements to enable students to make the most of every opportunity.

Can my advisee complete a double major with history?

Yes! Approximately 40% of history majors complete a double major or earn teaching certification. It is thus very common for history majors to have a second major and/or multiple minors across all divisions: arts, humanities, natural sciences, and social sciences.

Typical Program for History Majors

Below outlines a typical course sequence for students interested in majoring in history. Completing the major is flexible, which helps all students but especially those who arrive “late” to the major. (We welcome these students.)

FIRST YEAR

Fall	Spring
CIE 100	CIE 200
Foreign language	Foreign language
100-level history course	100-level history course
Elective, other history course, or core requirement	Elective, other major/minor, or core requirement

SECOND YEAR

Fall	Spring
HIST-200W	200- or 300-level history course
100- or 200-level history course	Elective, other major/minor, or core requirement
Elective, other major/minor, or core requirement	Elective, other major/minor, or core requirement
Elective, other major/minor, or core requirement	Elective, other major/minor, or core requirement

International Relations

INTERNATIONAL RELATIONS

Department Contact

Rebecca Evans
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Bomberger 213
Campus Extension: x3416

Requirements for the International Relations (IR) Major

The IR major requires 52 hours of study in courses spread among the Departments of Anthropology, Business and Economics, History, Politics and International Relations, and Modern Languages. Required courses include:

- ANTH-100 Introduction to Sociocultural Anthropology
- ECON-102 Macroeconomics
- HIST-102 Empire, Patriarchy, and Race
- POL-242 Comparative Politics
- POL-252 International Politics
- POL-300 Thinking with Data in Politics and International Relations
- A Capstone Course – Choose from POL-442W, 452W, Hist-400W, IR-400W or another Capstone approved by the IR Coordinator
- At least five of the following courses, including courses in at least two different departments: POL-343, 344, 345, 346, 348, 349, 350A and 350B, 352, ~~353~~, 354, 355, 356, 357, 358, 359; HIST-101, 103, 125, 126, 151, 152, 175, 176, 202, 225, 254, 255, 276, 277, 303, 307, ~~308~~, 351, 352, 354, 376, 377;; ECON 201, 202, 223, 263, 361, 362; ANTH-212, 221, 230, 235 or LAS 200, 332. Special topics courses such as ANTH-251, ECON-213, HIST-250 or 350, MGT-300 and POL-101 or 399 may count as electives with permission of the IR coordinator.
- At least two courses at the 200 level or above in a **modern** foreign language.

Requirements for the international Relations (IR) Minor

- POL-242 Comparative Politics
- POL-252 International Politics
- Three additional courses electives from the list included in the major listings. Students are required to take courses from at least two contributing departments.

General Advising Guidelines for IR Majors

1. **Careers.** The International Relations major is an interdisciplinary program for students interested in careers in international politics and diplomacy, intelligence work, higher education, international law, international trade, journalism, and other fields where expertise in international affairs is necessary. Students who desire to be diplomats should prepare for the **Foreign Service Exam** by taking a wide variety of courses. Students interested in the **Peace Corps or another international service organization** may want to pursue a major in International Relations, although students from all majors are eligible. Students interested in the Peace Corps Prep Program need to successfully complete advanced coursework in a foreign language, take courses that develop intercultural competency, acquire sector-specific knowledge through courses in a particular functional area, and engage in an applied experience related to their chosen sector.

2. **Advising.** Advising for the IR major is administered by the Department of Politics and International Relations, but students also may seek advising from faculty in History, Modern Languages, Business and Economics or Anthropology.
3. **Modern Foreign Language & Study Abroad.** IR majors are advised to begin taking their foreign language courses in the first year. This is particularly important for students who are starting a language at the introductory or intermediate level. This plan will facilitate greater opportunities for advanced language study and/or study abroad. Students are strongly encouraged to consider pursuing a second major or a minor in a modern foreign language. They are also strongly encouraged to consider study abroad and internship opportunities.
4. **Model United Nations.** IR majors are encouraged to participate in the Model UN program, which allows students to represent one of the Member States in the United Nations and debate issues before the committees on which the Member State sits. Students must enroll in POL-350A in the fall semester and POL-350B in the spring semester in order to be eligible to participate. Some seats are open to interested and motivated first-year students. See the IR coordinator for more details.
5. **Course sequencing.** Prospective IR majors are advised to take Politics 242, 252, 300, ANTH 100 and ECON 102 in the first two years of study, if possible. Taking these foundation courses early will ease course scheduling difficulties as the IR major requires more courses than most. It is recommended that students take STAT-141 as their R requirement.

TYPICAL INTERNATIONAL RELATIONS MAJOR PROGRAM

The schedule below outlines a typical course sequence for IR majors in the first and second years. Junior and senior year scheduling is flexible. Students are advised to consult with their IR adviser to discuss selection and sequencing of courses, study abroad, research opportunities, etc.

Students should begin the IR major no later than the beginning of their junior year. It may be possible, however, to declare the major as late as the second semester of the junior year, depending on courses already taken. Study abroad and internships typically are completed during the junior or senior years.

FIRST YEAR

Fall

CIE 100
Foreign Language
POL-242 or 252 or 300
ECON 102

Spring

CIE 200
Foreign Language
POL-242 or 252 or 300
Math or Science requirement

SECOND YEAR

Fall

Foreign Language 111 or 200 level or other Major Course¹
POL-300
IR elective
Math or Science requirement
College Core or Elective

Spring

Foreign Language 111 or 200 level or other Major Course¹
POL-300
ANTH 100
College Core or Major Course
College Core or Elective

Advising Note for Second Year:

IR majors are required to complete two modern language courses at the 200-level or above. If the Core language requirement was completed at a lower level in the first year, students are advised to continue with their foreign language in the second year to complete this requirement as quickly as possible.

LATIN AMERICAN STUDIES MINOR

Program Coordinator

Jose Eduardo Cornelio

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Olin 208

Campus Extension: x4361

Overview

Latin American Studies is an interdisciplinary minor that explores the history, politics, and culture of Latin America and Latinx communities in the U.S.

This program offers insight into Latin America's vibrant ethnic and cultural diversity and deepens students' understanding of the region's historical and political relationship with the U.S., Europe and beyond. Our program helps students become informed global citizens by expanding their knowledge of this important region and by promoting cultural awareness as well as a critical international perspective.

The Latin American Studies minor engages students from a variety of majors (Anthropology, Biology, Business and Economics, Environmental Studies, Film Studies, History, Politics and International Relations, Spanish) with a particular interest in Latin America. Our program prepares students who intend to work in businesses or organizations with connections to Latin America or Latino/a communities as well as students who plan to pursue graduate degrees with an emphasis in this area.

Requirements for Minor

A minor concentration in Latin American Studies consists of 20 credits. Required of all minors are LAS-200 (Introduction to Latin American Studies) or SPAN-251 (Survey of Hispanic Cultures) and LAS-332 (Topics in Latin American Studies). Twelve additional credits may come from the following courses: ANTH-221; HIST-307; LAS-215; SPAN- 203, 317, 251, 252; POL-343, 344, 345, 348. In addition, credit will be accepted from the following courses if the topic is on Latino/a and/or Latin American topics: SPAN-340, FS-250, POL-299, HIST-150, 250, or 350. Other relevant topics courses in other departments and in study abroad programs will also count towards the minor with the approval of the coordinator. The minimum language requirement for minors is FREN- or SPAN-111, 112 or the equivalent. These courses do not count towards the course requirements for the minor. Students may also fulfill the language requirement with intermediate proficiency in other regional languages with the approval of the program coordinator.

General Advising Guidelines for LAS minors

- LAS courses are taught in English.
- Students have considerable flexibility in completing the requirements for this minor; in fact, some students may actually develop an interest in pursuing the minor after enrolling in courses from the list above to complete the Core or to fulfill requirements for other majors. Please encourage advisees to keep this in mind when registering for courses.

Marine Science

MARINE SCIENCE MINOR

Program Contact

Leah H. Joseph

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Pfahler 112E

Campus extension: x3017

Incorporating aspects of biology, environmental/geological science, and environmental studies, the marine science minor provides students with the opportunity to develop knowledge about oceanic processes and organisms, including important intersections of human-ocean systems.

Requirements for the Marine Science Minor (28 credits plus an applied learning experience)

- BIO-101. Issues in Ecology & Evolution w/Lab
- ENV-100. Introduction to Environmental Studies

Two of the following marine science courses:

- BIO/ENV-310. Biological Oceanography
- BIO/ENV-330. Marine Biology
- ENV-372. Environmental Issues in Oceanography

Three courses chosen from among the following:

- The remaining marine science course from the previous list
- ENV-266. Natural and Environmental Hazards
- ENV-272. Marine Mammal Conservation and Management
- ENV-370. Global Climate Change
- BIO/ENV-336. Freshwater Biology

XLP or similar experience, germane to marine science (see additional information below)

Advising Notes

- Special topics and other new courses may count towards the marine science minor with permission of the marine science coordinator. Similarly, courses taken during a study abroad or off campus program may also count towards this minor with approval from the marine science coordinator.
- For Biology or Environmental Studies majors (or BIO/ENV double majors) or minors, at least 12 of the above 28 credits for the marine science minor must be in addition to credits already counting towards a BIO and/or ENV degree (major, minor, or double major in BIO/ENV).
- To fulfill the marine science minor, students must also complete an experiential learning project (XLP) or similar experience, the focus of which is germane to marine science. Options include: IDS-381, IDS-382, ENV-381, ENV-382, ENV-481, ENV-491, BIO-382; BIO-481, BIO-485, BIO-491, Summer Fellows research, or other non-XLP experience approved by the marine science coordinator (and director or advisor of the experience, as needed). A 3- or 4-credit accumulated sequence of ENV-391/ENV-392 or BIO-391/BIO-392 that leads to a coherent project progression within the field of marine science may also fulfill this requirement, with approval from the marine science coordinator and the overseeing research faculty member.
- Students who plan to continue in fields of marine science/oceanography after graduation are advised to select a marine science advisor who is most closely related to their field of interest and to work with this advisor to determine the courses that may be recommended for continuing on in this field.

Mathematics & Computer Science

MATHEMATICS AND COMPUTER SCIENCE

Department Contact

Nick Scoville
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Pfahler 101K
Campus extension: 3118

Majors	Computer Science; Mathematics
Minors	Computer Science; Mathematics; Statistics; Biostatistics; Scientific Computing

Requirements for Computer Science Majors

44 semester hours in Mathematics & Computer Science as follows

- MATH-236W Discrete Mathematics (spring)
- One additional mathematics course numbered 112 or higher (excluding MATH/PHIL 260)
- CS-173 Introduction to Computer Science
- CS-174 Object-Oriented Design
- CS-274 Computer Architecture and Organization (spring)
- CS-375 Software Engineering (spring)
- CS-271 Data Structures and Algorithms (fall)
- CS-373 OR CS-374
- 8 Credits from 300-400 level courses (excluding internship [CS-381, 383, 384] and one- or two-credit research/independent study courses [CS-391-392])
- A 400-level capstone course - one of the following: CS-474, 475, 476, or 477, or 492W;
- MATH-350 or CS-350 Oral Presentation (zero credit hours— usually taken in conjunction with an ILE)

Requirements for Mathematics Majors

44 semester hours in Mathematics & Computer Science as follows

- CS-173 Introduction to Computer Science
- MATH-112 Calculus II (must also complete MATH-111, if needed as a pre-req)
- MATH-211 Multivariate Calculus
- MATH-235 Linear Algebra (fall)
- MATH-236W Discrete Mathematics (spring)
- MATH-311W Analysis I (fall)
- MATH-335 Abstract Algebra (spring)
- A Capstone Course – one of the following: MATH-411,413, 421, 434, 442, or 492W
- 12 Credits from 300-400 level courses (excluding internship [MATH-381, 383, 384] and one- or two-credit research/independent study courses [MATH-391-392])
- MATH-350 or CS-350 Oral Presentation (zero credit hours— usually taken in conjunction with an ILE)

Requirements for Statistics Majors

49 semester hours in Mathematics & Statistics as follows

- MATH-112
- STAT-141 or AP Stat
- STAT-142
- MATH-211

- MATH-235
- STAT-240 or DATA/STAT-150
- STAT-242W or STAT-243W
- MATH-341
- STAT-342
- STAT-350, CS-350 or MATH-350
- MATH-442
- STAT-443W
- At least two of the following: MATH-311, MATH/STAT-343, STAT-244, STAT-444, CS-377, CS-477, ECON-300Q

GENERAL ADVISING GUIDELINES FOR MATHEMATICS AND COMPUTER SCIENCE MAJORS

Tracks for special career interests in Computer Science, <i>not to substitute for the major requirements, see course catalog</i>	Additional Recommendations for Computer Science Majors
Track 1. Specialization in Software Engineering Track 2. Specialization in Theoretical Computer Science Track 3. Specialization in Game Design Track 4. Specialization in Machine Learning Track 5. Specialization in Systems	-Either a minor in another discipline or additional courses in MATH (such as 112, 211, 235, 310, 341, 361 and 413), STAT (such as 141Q) and computer science. -Recommended ancillary courses include PHYS-111, 112, 209 and Introductory/intermediate level economics courses.
Tracks for special career interests in Mathematics, <i>not to substitute for the major requirements, see course catalog</i>	Additional Recommendations for Mathematics Majors
Track 1. Specialization in Pure Mathematics Track 2. Specialization in Applied Mathematics Track 3. Specialization in Business and Industry	-Either a minor in another discipline or additional courses in MATH (including 310, 341, 361, 413, and 442), STAT and CS (including CS174). -Recommended ancillary courses include PHYS-111, 112, 121 or 122, and introductory or intermediate level economics courses.

TYPICAL MATHEMATICS MAJOR PROGRAM

Below outlines a typical program for mathematics majors during the first and second years. Students are advised to consult with their Adviser in the Mathematics department when planning courses (e.g., sequencing of mathematics core and elective courses), internships, study abroad, etc. for their second, third, and fourth years.

FIRST YEAR

FALL	SPRING
Foreign Language CIE-100 MATH-111, 112 or 211 ⁽¹⁾ College Core/Elective	Foreign Language CIE-200 MATH-211 or 236W College Core/Elective

SECOND YEAR

FALL	SPRING
MATH-235 or 211 College Core/ Math Elective College Core/Elective College Core/Elective	MATH-211 or 236W College Core/Math Elective College Core/Elective College Core/Elective

(1). See the Mathematics placement section for guidance on registering the student for the appropriate calculus course.

TYPICAL COMPUTER SCIENCE MAJOR PROGRAM

Below outlines a typical program for computer science majors during the first and second years. Students are advised to consult with their Adviser in the Computer Science department when planning courses (e.g., sequencing of Computer Science core and elective courses), internships, study abroad, etc. for junior and senior year.

FIRST YEAR

FALL	SPRING
Foreign Language CIE-100 CS-173 or 174 ⁽¹⁾ College Core/Elective	Foreign Language CIE-200 CS-174 or 274 ⁽²⁾ MATH-236W ⁽³⁾

SECOND YEAR

FALL	SPRING
CS-271 Math or CS Elective College Core/Elective College Core/Elective	CS-274 Math or CS Elective College Core/Elective College Core/Elective

(1). Students with prior programming experience in a C-like language (Java, C, C++, C#, etc.) should discuss appropriate placement with a professor in computer science, even if they haven't take the AP Exam. CS-173 is usually not an appropriate first course for these students.

(2). Pre-req. CS-174.

(3). Pre-req. MATH 111. See the Mathematics placement section for guidance on registering the student for the appropriate calculus course, or for placing the student out of MATH-111.

TYPICAL STATISTICS MAJOR PROGRAM

Below outlines a typical program for statistics majors during the first and second years. Students are advised to consult with their Adviser in the department when planning courses (e.g., sequencing of core and elective courses), internships, study abroad, etc. for their second, third, and fourth years.

FIRST YEAR

FALL	SPRING
Foreign Language	Foreign Language
CIE-100	CIE-200
STAT-141	STAT-242W
STAT-142	
College Core/Elective	College Core/Elective

SECOND YEAR

FALL	SPRING
MATH-235	DATA/STAT-150
MATH-112	MATH-211
College Core/Elective	College Core/Elective
College Core/Elective	College Core/Elective

STUDENTS INTERESTED IN ACTUARIAL SCIENCE

Due to the interdisciplinary nature of actuarial science, interested students are also encouraged to speak with departmental faculty early in their Ursinus career about the possibility of a student-initiated major in actuarial science and/or additional courses that may be relevant to actuarial science.

TYPICAL MATHEMATICS SECONDARY EDUCATION CERTIFICATION PROGRAM

Below outlines a typical program for mathematics education majors who wish to student teach in the spring semester of their senior year. Students are advised to consult with their Adviser in the Mathematics department when planning courses (e.g., sequencing of mathematics core and elective courses), internships, study abroad, etc. for their second, third, and fourth years. The Education Department has a 3 semester rotation for some courses so follow up with the education chair is also recommended. Note that the ILE (independent learning experience) is fulfilled by student teaching in EDUC-405 and EDUC-406.

FIRST YEAR

Fall	Spring
Foreign Language	Foreign Language
CIE-100	CIE-200
MATH-111, 112 or 211 ⁽¹⁾	MATH-236W
College Core/Lab	EDUC-210
Science ⁽²⁾	

SECOND YEAR

Fall	Spring
MATH-235	EDUC-320
College Core/ Math Elective	College Core/Math Elective
MATH-211	MATH-310
EDUC-265	College Core/Elective

- (1)** See the Mathematics placement section for guidance on registering the student for the appropriate calculus course. If Math 111 is taken Fall of the first year, then it is recommended that Math 112 be taken in the spring in place of Educ 210. Educ 210 can be taken in place of the College Core/Math Elective Fall of second year.
- (2)** It is not required but recommended that those students on a Math Education track take Physics as their lab science.

TYPICAL PRE-ENGINEERING PROGRAM (WITH MATH MAJOR)

Below outlines a typical program for mathematics majors who wish to transfer to an engineering school after 3 years. Students are advised to consult with their Adviser in the Mathematics department when planning courses (e.g., sequencing of mathematics core and elective courses), internships, study abroad, etc. for second, and junior years. Note that the ILE (independent learning experience) is fulfilled by pre-engineering students who successfully complete the first of two years at engineering school.

FIRST YEAR

Fall	Spring
Foreign Language CIE-100 Math-111, 112 or 211 ⁽¹⁾ PHYS-121Q/L	Foreign Language CIE-200 MATH-236W PHYS-122Q/L

SECOND YEAR

Fall	Spring
MATH_235 College Core/ Math Elective PHYS-201 ECON-101	MATH-211 College Core/Math Elective MATH-310 College Core/Elective

THIRD YEAR

Fall	Spring
Foreign Language College Core/Math Elective MATH-311 CHEM-107/L	Foreign Language MATH-335 College Core/Math Elective CHEM-108/L

(1) See the Math placement section for guidance on registering the student for the appropriate calculus course.

MINORS

Computer Science	CS-173, 174; and three courses chosen from selected CS courses or MATH-236W
Mathematics	MATH-112, 211, 235; and two selected MATH courses
Statistics	STAT-141Q, 240, 242 or 243W; and two selected MATH/STAT courses
Biostatistics	STAT-141Q, 240, 243W; one course from STAT-342, 384 or 441; one course in an area of application from BIO-101Q, 102Q; PSYC-100; HS-100, or ENV-100;
Scientific Computing	CS-174; MATH-310; four electives from: BCMB-307, BCMB/BIO-429W; BIO/ENV-250, 415; CHEM-212, 309, 310, 410W; CS-371, 373, 476; ENV-370, 372; HS-352Q; MATH-235, 413; STAT-240, 243, 342; NEUR-120Q, NEUR/PSYC-335, NEUR/BIO-431, 435; PHYS-122, 299, 316, 405, 408W.

Media & Communications Studies

MEDIA AND COMMUNICATION STUDIES

Department Contact

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Ritter Center 216-B

Campus Extension: x3572

Additional contacts: Lynne Edwards, Louise Woodstock

Requirements for Media & Communication Studies (MCS) Majors

40 semester hours in MCS – 10 courses

- MCS-201 Public Speaking: Speech & Criticism in a Democratic Society
- MCS-205 Media & Society
- MCS-292W Communication Theory & Research
- One course from MCS 207-290
- Two courses from MCS 300-375
- Senior Seminar (MCS 460W, 462W, 463W, or 464W) or an honors project completed in MCS 491/492W
- At least three additional MCS courses

Notes on the major requirements:

- Up to 4 credits of MCS 001- 016 may apply towards the major.
- Any two courses from Film Studies (FS) and/or THEA-260, 261; TD-231, 232, or 233 may count towards the MCS elective requirement
- Credit for **one** internship course may count toward the MCS major
- Majors are strongly encouraged to take Stat 140Q or 141Q to fulfill the college mathematics and Q requirement.

Requirement for Media & Communication Studies (MCS) Minor

Five 4-credit MCS courses including:

- MCS-205 **and**
- Two courses from MCS-300-375

Notes on the minor requirements

- One Film Studies course may count toward the MCS minor.
- Only one MCS internship may count toward the MCS minor.

Typical Program for MCS Majors

The following program is presented as a general guideline only. The MCS Department can plan programs in combination with other departments to meet a variety of student objectives. Students should be aware that in some years, certain courses will not be offered. Students wishing to study abroad in their second or junior year should plan accordingly.

Fall

CIE 100

Foreign Language

MCS-201 or 205

College Core or Elective²

FIRST YEAR

Spring

CIE 200

Foreign Language

MCS-201 or 205

College Core or Elective

Advising Notes for First-Year

1. Recommended courses for first year students who are considering a major in MCS include: MCS-201 or 205. MCS-201 and 205 are core required courses for the major.

SECOND YEAR

Fall

1 course from MCS 207-290
STAT-140Q or 141Q¹
College core or Elective
College core or Elective

Spring

MCS-292W or MCS elective
College core or Elective
College core or Elective
College core or Elective

Advising Notes for Second Year

Majors are strongly encouraged to take Stat 140Q or 141Q to fulfill the college mathematics and Q requirement.

THIRD YEAR¹

Fall

MCS-292W or MCS elective
MCS 381-4 (Internship)² or other MCS elective
College core or Elective
College core or Elective

Spring

1 course from MCS 300-375
College core or Elective
College core or Elective
College core or Elective

Advising Notes for Third Year:

Study abroad is highly encouraged and is usually completed during the third year (fall or spring semester).

Majors are strongly encouraged to complete at least one internship (MCS 381 or 382) and may earn credit for an internship as early as the summer after completion of their second year. If an internship is completed during the summer, a student must be registered for internship that fall. Only one MCS internship may count towards the major (see Ursinus College Catalog for internship guidelines).

FOURTH YEAR

Fall

1 course from MCS 300-375
MCS Elective
College core or Elective
College core or Elective

Spring

MCS 460/462/463/464W (seminar)¹
College core or Elective
College core or Elective
College core or Elective

Advising Notes for Fourth Year:

Eligible students may be invited to register for Honors Research in the senior year.

Additional note for advising:

There are four areas of concentration within the MCS major. The concentrations are a guide for students who want to pursue a specific area of study with the communication field. Students are not required to select a concentration but may fulfill the major requirements taking the core requirements and courses from any of the four areas: **Journalism, Digital Media Studies, Communication and Culture, Screen Studies**. See the current Ursinus College Catalog on the college website for the specific courses in each concentration.

MODERN LANGUAGES

Chair Information

Chisu Teresa Ko, Department Chair

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Olin 213

Campus Extension: 4578

Phi Beta Kappa Note: Beginning in spring 2015, students must have at least two semesters of college-level study of a Foreign Language *at the intermediate level* or higher to be eligible for election to Phi Beta Kappa. This requirement was approved by The Phi Beta Kappa Society as a whole. While this does not mean a student must take four semesters of a Foreign Language, the requirement as stated in the Stipulations for Membership includes: “in no case shall a student with only beginning coursework in a Foreign Language be eligible for election.”

**Please encourage students to consider majoring in French, German or Spanish, especially if they are interested in such areas as the health professions, education, international relations, business, and NGO work, including the Peace Corps (for which we have a preparatory program). These majors are not simply “literature” majors, but actually involve a socio-cultural focus. Thus, these majors have much to offer not only to students who are interested in language and literature, but also to students interested in a much broader course of study.*

**Please do not discourage students from studying Arabic, Chinese or Japanese if they express interest in one of these languages. These languages are not necessarily as difficult as one might think, and they provide valuable insight into non-Western cultures and societies. If they wish to know more about what it’s like to study these languages, please have them get in touch with the Department Chair.*

GENERAL ADVISING GUIDELINES FOR MODERN LANGUAGE MAJORS (French, German, Spanish)

1. Double-majoring is both possible and beneficial. In addition, most majors, in consultation with their foreign language adviser, elect one or more minors in order to further vocational aims.
2. **Study Abroad.** Language majors are required to supplement their work at Ursinus by spending a summer, a semester or an entire year in a foreign country with a program approved by the department. Generally, language students are advised to study abroad after the first year and before the senior year. Students should work closely with their adviser to plan this component of the program requirements.
3. **Teacher Certification.** Students planning to teach must contact the Education Department as soon as possible. Students planning to obtain certification for secondary-school teaching in French, German or Spanish must take a minimum of 24 credit hours in French, German or Spanish at the 200, 300 and 400 levels. In addition to the course requirements, students are required to pass a qualifying examination before they will be admitted to candidacy for certification and a competency examination before being certified. For a complete list of requirements and additional information, please see the College Catalog and the *Teacher Education Programs Guide* on the Education Department’s website.

MAJORS IN THE MODERN LANGUAGES

Majors in Chinese and Japanese are not offered, but students interested in a major that incorporates work in Chinese or Japanese language are encouraged to consider the East Asian Studies major.

Requirements for FRENCH Majors

36 hours in French above the 100 level, including the following required courses:

- FREN-251 Introduction à la Littérature Française et Francophone
- FREN-252 Le Monde francophone
- 400-level seminar
- An approved study abroad experience

Requirements for GERMAN Majors

36 credit hours in German beyond the 100 level, including the following required courses:

- GER-251 Introduction to German Literature
- GER-252 German Literature and Film
- 400-level seminar
- An approved study abroad experience

Requirements for SPANISH Majors

36 credit hours in Spanish beyond the 100 level, including the following required courses:

- SPAN-251 Survey of Hispanic Cultures
- SPAN-252 Introduction to Hispanic Cultural Studies
- 400-level seminar
- An approved study abroad experience

TYPICAL MODERN LANGUAGE MAJOR PROGRAM

Below outlines a typical course sequence for Modern Language majors in the first year and second year. Junior and senior year scheduling is flexible, and students are advised to consult with their language adviser to discuss selection and sequencing of courses, study abroad, research, and volunteering opportunities. Most students who decide to major in a language have had significant exposure to the language in high school (e.g., ≥ 4 years of the language with skills that place them at the 200-level). However, there typically are no scheduling problems for a student with less background if they complete 111 and 112 in the first year. It will be difficult, but not impossible, to major in a language if a student begins the language at a level below the intermediate level. These students are advised to talk with a faculty member in the department as early as possible to determine a course plan.

Plan A – Beginning the language at the 201 Level (Conversation & Composition)

FIRST YEAR

Fall

CIE 100
Major Language 201
College Core or Elective
College Core or Elective

Spring

CIE 200
Major Language 202
College Core or Elective
College Core or Elective

SECOND YEAR

Fall

Major Language 251
College Core or Elective
College Core or Elective
College Core or Elective

Spring

Major Language 252
Major Language Elective
College Core or Elective
College Core or Elective

THIRD AND FOURTH YEARS

Students complete additional major electives in junior and senior year. The capstone course is completed in senior year. Study abroad typically happens during the junior year.

Plan B – Beginning the language at the Intermediate Level (111-112)

FIRST YEAR

Fall

CIE 100
Major Language 111
College Core or Elective
College Core or Elective

Spring

CIE 200
Major Language 112
College Core or Elective
College Core or Elective

SECOND YEAR

Fall

Major Language 201
College Core or Elective
College Core or Elective
College Core or Elective

Spring

Major Language 202
Major Language Elective
College Core or Elective
College Core or Elective

THIRD AND FOURTH YEARS

Students complete courses 251 and 252 in the junior year. Additional major electives are completed in junior and senior year, and the capstone course is completed in senior year. Study abroad typically happens during the junior year.

NON-WESTERN LANGUAGES

ARABIC

The Department offers a full program of four levels of Arabic. A student interested in studying Arabic should be encouraged to do so. Increasing numbers of Ursinus students have also been studying abroad in Arabic-speaking countries. It is possible to declare a student-initiated minor in Arabic or Arabic Studies.

CHINESE

The Department offers a full four-year language program in Chinese, from the elementary through the advanced levels. Students can pursue a minor in Chinese (see below), and many also major in East Asian Studies. Students will also have opportunities for study abroad in a Chinese-speaking society.

JAPANESE

We offer a full four-year curriculum in Japanese, along with opportunities for more advanced study. Students can pursue a minor in Japanese (see below), and many also major in East Asian Studies. Among our excellent study-abroad options are exchange programs with Akita International University and Tohoku Gakuin University.

Museum Studies Minor

MINORS IN THE MODERN LANGUAGES

Minors are offered in **Chinese, Chinese Studies; French; German, German Studies; Japanese; Spanish,** and **Latin American Studies.**

CHINESE Minor Requirements: A minor in Chinese consists of 20 semester hours, including CHN-211, 212, eight additional credits at the 300-level, and one of the following: HIST-152, 252, 254, 352, 354, 451W, or another non-language course on China as approved by the Modern Languages chair in consultation with Chinese-language faculty.

CHINESE STUDIES Minor Requirements: A minor in Chinese Studies consists of 20 credits. Required of all minors are CHN-211, 212, and 335. The remaining credits can come from the following: HIST-152, 202, 252, 254, 352, 354, 451W or other China-related courses.

FRENCH Minor Requirements: A minor in French consists of 20 credits. Required of all minors are FREN-251 or FREN-252. The remaining credits can come from intermediate-level courses (FREN-111, 112), and any FREN courses at the 200, 300, or 400 levels.

GERMAN Minor Requirements: A minor in German consists of 20 credits. Required of all minors are GER-251 or GER-252. The remaining credits can come from intermediate-level courses (GER-111, 112), and any GER courses at the 200, 300, or 400 levels.

GERMAN STUDIES Minor Requirements: A minor concentration in German Studies consists of six courses, two of which must be taken in the History department and two in the German Section of Modern Languages, including GER-252. Two additional courses, one in German, one in History or an independent study project addressing a topic either in History or German, may be taken through any Ursinus approved study- abroad program. Students may choose from among the following courses at Ursinus: HIST-207, 304, 305, 306, 308, 401W; GER-201, 202, 251, 252, 314, 315.

JAPANESE Minor Requirements: A minor in Japanese consists of 20 semester hours, including JPN-211, 212, eight additional credits at the 300-level, and one of the following: EAS-224, 299 (when topic is on Japan), 314; HIST-151, 254, 352, 354, or another non-language course in Japan as approved by the Modern Languages chair in consultation with Japanese-language faculty.

SPANISH Minor Requirements: A minor in Spanish consists of 20 credits. Required of all minors are SPAN-251 or SPAN-252. The remaining credits can come from intermediate-level courses (SPAN-111, 112), and any SPAN courses at the 200, 300, or 400 levels.

LATIN AMERICAN STUDIES Minor Requirements: A minor concentration in Latin American Studies consists of 20 credits. Required of all minors are LAS-200 and 332. Twelve additional credits may come from the following courses: ANTH-221, HIST-307, LAS-215; SPAN- 203, 317, 252; POL-343, 344, 345, 348. In addition, credit will be accepted from the following courses if the topic is on Latino/a and/or Latin American topics: SPAN-340, HIST-150, 250 350; FS-250, POL-299. Other relevant topics courses in other departments and in study abroad programs will also count towards the minor with the approval of the coordinator. The minimum language requirement for minors is SPAN-201, 202 or the equivalent. These language courses do not count towards the course requirements for the minor. Students may also fulfill the language requirement with intermediate proficiency in other regional languages with the approval of the program coordinator.

MUSEUM STUDIES MINOR

Program Director

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Berman Museum of Art, Curatorial Suite
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Museum Studies

Museums shape and at times challenge how we see objects and ourselves in relation to community, culture, and the world. They preserve, display, and interpret an astonishing array of materials of educational value. Museums come in many forms and are cross-disciplinary. They involve different ways of knowing and doing. The interdisciplinary Museum Studies minor enables students to investigate that vibrant world and its various professional paths. Minors and other students will understand how museums developed historically and the thought processes that inform current exhibition practices. Minors will also gain first-hand experience in one or more areas of museum work, such as curating, education, registration, collections management, conservation, or technology. Optional discipline-specific tracks allow minors and all students to bring what they learn about museums into alignment with their primary academic interest.

Requirements for Minors

A minor concentration in Museum Studies consists of five courses (combining for a total of 16 credits), one applied learning experience in a museum (three or four credits), plus an oral presentation, for a total of 19 or 20 credits. All students must take MS-100 Museum Studies (four credits), MS-200A (two credits) and B Curatorial Practice (two credits), and MS-350 Oral Presentation (zero credits). The applied learning experience (MS-381 or 382) must be an off-campus internship or curatorial experience and should focus on collections, conservation, education, interpretation, and/or research. The experience must be approved by the Museum Studies Coordinating Group. The remaining credits (elective) must come from two of the following: MS-001, MS-250, ACCT-140, ANTH-100, ANTH-205, any 100- or 200-level Art History course, ART-371, ART-372, EDUC-210, EDUC-265, EDUC-350, any 300-level History course, MCS-201, MCS-220, MCS-254, MCS-330, MCS-331, or MCS-363, or another course approved by the Museum Studies faculty. In the spring semester of their senior year, Museum Studies minors must also give an oral presentation at a Museum Studies session at the Celebration of Student Achievement, thus fulfilling MS-350.

As an option, students may choose to pursue a discipline-specific track in the Museum Studies minor. Each track consists of two courses from a list of relevant courses. Students who choose not to do a track can take elective credits in two separate track areas.

Elective course options for each track are:

- Anthropology: ANTH-100, 205
- Art History: ART-150, 160, 230, 250, 290, 371, 372
- Business and Economics: ACCT-140, MGT-200, MKT-250
- Education: EDUC-210, 265, 350
- Environmental Studies: ENV-242 or 272; ENV-332, 338, 340, 360, or 366
- History: Any two History courses in the same area of concentration (U.S., European, Non-Western, or Comparative), one of which must be at the 300- or 400-level.
- History track for non-History majors: HIST-200W and one 300-level History course
- Media and Communications Studies: MCS-201, 220, 254, 330, 331, 363
- Museum Studies: MS-001, 250

Music

MUSIC

Department Chair

Holly Hubbs

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Campus Extension: x3384

Requirements for the Music Major

A major in Music consists of 40 credits in music coursework. Music majors must take both academic (36 hours) and applied/ensemble (4 hours) music courses. First-Year students who are interested in majoring in Music should be enrolled in either MUS-121 (Foundations of Music), MUS-221 (Music Theory 1), MUS-226 (Music Technology I), or MUS-205 (Music History & Culture I) in their first year. Upon major declaration, students will choose a concentration area from the following options: Music History & Culture, Music Theory & Cognition, or Music Technology & Creation.

Required courses for the major:

- Two semesters (8 semester hours) of Music Theory courses: MUS-221 and 222W.
- Two semesters (8 semester hours) of Music History & Culture courses: MUS-205 and 206.
- Two semesters (8 semester hours) of Music Technology & Creation courses: MUS-226 and either MUS-227 or 321.
- One elective course in the student's chosen concentration area (4 semester hours) at the 300-level.
- One elective course from any concentration area (4 semester hours).
- Either MUS-401 or 491 (4 semester hours). MUS-401 is the major capstone and must be taken in the student's chosen concentration area. MUS-491 is reserved for Honors Research and may be substituted for MUS-401 with permission of department chair.
- Four semesters (4 semester hours) of music ensemble and/or applied music chosen from the following: MUS-00X, MUS-01X, MUS-02X, 03X, 04X, 05X, or 06X. Students may only count one credit per semester towards this requirement for a total of two years of ensemble participation. *NOTE: Advisors should enroll students for ensembles and not worry about auditions etc. It is more important for students to have the ensemble in their schedules rather than try to accommodate them later.
- Attendance at two concerts per semester following their major declaration.

*There is an additional fee for applied music instruction. Music majors are entitled to two semesters of free lessons at any point that they are declared a major.

MUSIC THEORY PLACEMENT

Students who have not taken any music theory and who do not read music in treble and bass clefs should enroll in MUS-121 Foundations of Music Theory.

All other students should complete a diagnostic placement test to place into either MUS-121, MUS-221, or MUS-222W. Please contact Prof. Rosa Abrahams, theory program coordinator, at rabrahams@ursinus.edu to schedule a placement test or assessment meeting.

TYPICAL MUSIC MAJOR PROGRAM

FIRST YEAR

Fall

MUS-221 or MUS-226 or MUS-205
Ensemble/Applied Music
Foreign Language
CIE-100
College Core/Elective

Spring

MUS-222W or MUS-227 or MUS-205
Ensemble/Applied Music
Foreign Language
CIE-200
College Core/Elective

SECOND YEAR

Fall

MUS-221 or MUS-226 or MUS-205
Ensemble/Applied Music
Core/Elective
Core/Elective
Core/Elective

Spring

MUS-222W or MUS-227 or MUS-205
Ensemble/Applied Music
Core/Elective
Core/Elective
Core/Elective

REQUIREMENTS FOR MUSIC MINOR

A minor concentration in music consists of a minimum of five courses in music, with coursework taken in each concentration area.

Requirements include:

- One course (MUS-221) from the music theory & cognition concentration area.
- One course from the music history & culture concentration area.
- One course (MUS-226) from the music technology & creation concentration area.
- Two additional courses selected from any concentration area.
- One course MUST be chosen from the 300-level.

Neuroscience

NEUROSCIENCE

Department Contact

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The major integrates the multidisciplinary nature of the field by providing students with an interdisciplinary approach to the study of brain function, behavior, and the mind. The major is designed for students interested in exploring how the nervous system contributes to thought, emotion, language, art & music, neuropathology, and behavior.

Neuroscience Core (2 courses)

Course

NEUR-100
NEUR-200Q*

Course Title

Fundamentals of Neuroscience
Research Methods in Neuroscience

Interdisciplinary Foundation (7 courses)

Course

BIO-101Q
BIO-102Q
BIO-201W
NEUR/PSYC-330
NEUR/PSYC-332
STAT-141Q
^CHEM-107/107LQ AND
^CHEM-108/108L
OR ^PHYS-111Q AND
^PHYS-112

Course Title

Issues in Ecology and Evolution
Cell Biology and Genetics of Health and Disease
Genetics and Biology of the Cell
Behavioral Neuroscience
Cognitive Neuroscience
Introduction to Statistics
General Chemistry I and II

OR General Physics I and II

Advanced Courses (2 courses): at least one must be completed in junior or senior year.

Course

^NEUR/BIO-431W OR
^433W OR ^435W
^NEUR/PSYC-430 OR ^432

Course Title

Cellular OR Molecular OR Developmental
Neurobiology
Advanced Research Methods in Behavioral OR
Cognitive Neuroscience

In addition to the courses marked above (^), the following courses may count as elective courses. *Note:* Students may not use courses to fulfill both the breadth requirement as well as either the Interdisciplinary Foundation or Advanced Research Course. *BIO-350, PHIL-309, *PSYC-275, *PSYC-475 may be used as a major elective when the topic(s) covered are related to Neuroscience. Approval of the Neuroscience Coordinator required.

Course

NEUR-350
 NEUR-381 OR 382
 NEUR-481W OR 482
 NEUR-485 **OR** 486
 NEUR-491W **OR** 492W
 NEUR/BIO-225
 NEUR/BIO-333
 NEUR/BIO-435W
 NEUR/PSYC-230
 NEUR/PSYC-464 [PSYC-495/NEUR-350]
 NEUR/PSYC-466 [PSYC-495/NEUR-350]
 BCMB-351 OR CHEM-347
 BIO 224

BIO-305
 BIO-306
 BIO 346
 BIO-349
 *BIO-350
 BIO-449
 BIO-459
 +CHEM-107/107LQ

+CHEM-108/108L
 CHEM-207/207L
 CHEM-208/208L
 CS-170Q
 CS-173
 DANC-340
 HS/BIO-205
 HS-351
 MATH-235
 MATH/PHIL-260
 MUS-326
 PHIL-246
 PHIL-274
 PHIL-278
 *PHIL-309

PHIL-364
 PHIL-111Q
 PHIL-112Q
 PSYC-220
 PSYC-232
 PSYC-240
 *PSYC-275
 PSYC-320
 PSYC-340

Course Title

Special Topics in Neuroscience
 Internship (I or II)
 Independent Research in Neuroscience
 Off-campus Research
 Independent/Honors Research in Neuroscience
 Glial Cell Biology
 Stem cell Biology (O)
 Developmental Neurobiology (O.S)
 Sensation and Perception
 Psychopharmacology
 Neurodiversity and the Autism Spectrum (D)
 Biochemistry I OR Fundamentals of Biochemistry
 Within the Cell: Further Explorations in Cell Biology &
 Genetics
 Human Anatomy and Functional Morphology
 Human Physiology
 Developmental Biology
 Experimental Physiology
 Selective Topics in Biology
 Immunology
 Virology
 General Chemistry I and Lab (S, If taken with CHEM-
 107LQ)
 General Chemistry II and Lab
 Organic Chemistry I and Lab
 Organic Chemistry II and Lab
 Programming for the World Around Us (S, R)
 Introduction to Computer Science
 The Thinking Body: Somatic Theory and Practice (A)
 Human Anatomy and Physiology I (S if taken with 205L)
 Structural Kinesiology
 Linear Algebra (R)
 Logic (R)
 Music Cognition (A)
 Biomedical Ethic (H, DN)
 Philosophy of Mind (H)
 Theory of Knowledge (H)
 Topics in Philosophy (H; possibly DN, GN, O or CCAP
 depending on topic)
 Philosophy of Language (H)
 General Physics I (S)
 General Physics II (S)
 Mental Health and Abnormal Psychology (D)
 Learning
 Lifespan Development
 Special Topic in Psychology
 Psychopathology and Psychotherapy (D)
 Child Development (D)

PSYC-460
*PSYC-475
STAT-243W

Depression (CCAP)
Seminar: Special Topic in Psychology
Biostatistics (R)

TYPICAL NEUROSCIENCE MAJOR PROGRAM

Below outlines a typical course sequence for Neuroscience majors. Scheduling will vary depending on the student's interest (e.g., preparation for graduate work in medicine, psychology, biology, etc., work in a research-related profession such as pharmaceuticals, etc.). Please note that some courses are only offered in alternate years. Students are advised to consult with their Neuroscience adviser to discuss selection and sequencing of courses, study abroad, research opportunities, etc.

FIRST YEAR

Fall

BIO-101Q
NEUR-100
CIE-100
College Core/elective

Spring

BIO-102Q
NEUR-200 or 100 or 225
CIE-200
College Core/elective

Advising Notes for First-Year

1. Students considering a neuroscience major are strongly advised to take NEUR-100 and NEUR-200 in the first year. It will provide excellent exposure to the discipline prior to declaring a major.
2. Students pursuing a pre-med track who have a strong math and science background should take CHEM-107/107L and CHEM-108/108L in the first year (in addition to BIO 101Q and 102Q) and CHEM-207/207L and 208/208L in the second year. This may allow for greater flexibility with scheduling in the junior and senior year. If you choose this alternative plan, consider delaying your foreign language until their second year.

SECOND YEAR

Fall

CHEM-107/107LQ **OR** CHEM-207/207LQ
OR PHYS-111¹
BIO 201
NEUR 330
College Core/elective

Spring

CHEM 108/108L **OR** 208/208L
OR PHYS-112
NEUR 332 or 225
College Core/elective
College Core/elective

Advising Notes for Second Year

Students must choose between physics foundation or chemistry foundation. Students can choose to start the physics or chemistry foundation their second or their year based on the strength of their math and science background. If pursuing a pre-med program, students must complete 2 years of chemistry and one year of physics so it is recommended to start the physics or chemistry foundation no later than their second year. MATH-111 (Calculus I) or its equivalent is a pre-requisite or co-requisite to PHYS-111.

Neuroscience Minor Requirements

Neuroscience Core (2 courses)

Course

NEUR-100
NEUR-200Q*

Course Title

Fundamentals of Neuroscience
Research Methods in Neuroscience

Biology Foundation (1 course)

Course

BIO-102Q

Course Title

Cell Biology

Psychology Foundation (1 course)

Course

NEUR/PSYC-330 **OR** 332

Course Title

Behavioral **OR** Cognitive Neuroscience

Electives (2 courses)

Course	Course Title (Designation)
BIO-101Q OR 201W	Issues in Ecology and Evolution OR Genetics
NEUR-225	Glial Cell Biology
NEUR/-PSYC-330 OR 332	Behavioral OR Cognitive Neuroscience
NEUR-350	Special Topics in Neuroscience
NEUR/PSYC-430	Advanced Research Methods in Behavioral Neuroscience
NEUR/BIO-431W	Cellular Neurobiology
NEUR/PSYC-432	Advanced Research Methods in Cognitive Neuroscience
NEUR/BCMB/BIO-433W	Molecular Neurobiology
NEUR/BIO-435W	Developmental Neurobiology
NEUR/PSYC-464	Seminar: Psychopharmacology
NEUR/PSYC-466	Seminar: Neurodiversity and the Autism Spectrum (D)
NEUR-382	Internship (I)
NEUR-481W OR 482W OR	Independent Research in Neuroscience
NEUR-485 OR 486 OR	Off-campus Research
NEUR-491W OR 492W	Independent/Honors Research in Neuroscience

Peace & Social Justice Studies Minor

PEACE AND SOCIAL JUSTICE STUDIES MINOR

DEPARTMENT CONTACTS

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Peace and Social Justice Studies is an interdisciplinary minor which challenges students to think critically in order to create a more equitable and nonviolent world. The minor integrates theory and practice, combining interdisciplinary studies with an applied learning experience, wherein students are exposed firsthand to structural inequities and/or the obstacles to peace.

Requirements for the Peace and Social Justice Studies Minor (24 hours as outlined below):

- PSJ-200 (Introduction to Peace and Social Justice Studies)
- A four-credit Applied Learning Experience, which may consist of an internship or a community-based research project (PSJ-381), or a study-abroad experience germane to the minor. Students who complete at least four semesters in the Bonner Leader Program can satisfy the Applied Learning Experience. For the ALE to count toward the minor, approval should be sought in advance from a co-coordinator of the Peace and Social Justice Studies minor.

Four additional courses from the following:

- AAAS-200 (Issues in African American and Africana Studies)
- BE-110 (Race and Gender in the American Economy)
- EDUC-210 (Foundations of Education)
- EDUC/GWMS-402 (Identity and Diversity)
- EDUC-446 (Issues and Trends in Contemporary Education)
- ENGL-222 (African American Literary Traditions)
- ENV-100 (Issues in Environmental Studies)
- ENV/SOC-220 (Environmental Justice)
- ENV/PHIL-248 (Environmental Ethics)
- ENV/SOC-285 (Environmental Sociology)
- ENV/SOC-288 (Animals and Society)
- ENV-332 (Urbanization and the Environment)
- ENV-340W (Food, Society, and the Environment)
- ENV-342 (Globalization and the Environment)
- ENV-382 (Political Ecology)
- ENV-430W (Advanced Critical Thinking in Environmental Studies)
- GWSS-200 (Gender and Women's Studies)
- HIST-228 Struggle and Triumph: Modern African American History
- HIST-251/GWSS 251 African Journey: From Colonization to a Continent of Nations
- HIST-255 Rulers and the Ruled: Authoritarianism in Postcolonial States
- HIST 277 Martyrs, Victims, and Perpetrators: Nationalism and Memory in Modern European History
- HIST/GWSS-303 Women's Activist Auto/Biographies
- HIST-330 Street Scrapers, Seamstresses, and the Enslaved: Work, Labor, and Capitalism in the Early Republic
- HIST-351 Africa's Cultures of Resistance
- HIST/GWSS 377 Cold War in Europe: Immigrants, Labor, and Gender
- HIST 425W Native American Activism and Red Power
- LAS-200 (Introduction to Latin American Studies)
- LAS-215 (U.S. Latino/Latina Literature)

- MCS-286 (Gender, Ethnicity, and Communication)
- MCS-330 (Freedom of Expression)
- MCS-350 (Intercultural Communication)
- MCS-366 (Digital Democracy)
- PHIL-140 (Applied Ethics)
- PHIL-246 (Biomedical Ethics)
- POL-252 (International Politics)
- POL-344 (Political Development)
- POL-350A (International Organizations and Diplomacy)
- POL-350B (International Organizations and Diplomacy)
- POL-357 (War and Peace)
- RELS-225 (African American Religious Experience)
- RELS-326 (Comparative Religious Ethics)
- RELS-327 (Religion and Violence)
- RELS-361 (Religion and Civil Rights)
- RELS-366 (Religion and Human Rights)
- SOC-245 (Equality and Inequality)
- SOC-255 (American Ethnic Groups)
- SOC-256 (“Other” Minorities)
- SOC-258 (African American Experience)
- SOC/GWMS-263 (Gender in Contemporary Society)
- SOC-265 (Criminology)
- SOC-275 (Social Problems)
- SOC-295 (Sociology of Medicine)
- THEA-351 (Latin American Drama and Performance)
- THEA-352 (Asian/Asian American Drama and Performance)
- THEA-353 (African/African American Drama and Performance)

Note: Students cannot take more than two courses from one department, excluding internships.

Perf. & Visual Arts Design & Tech.

PERFORMING AND VISUAL ARTS DESIGN AND TECHNOLOGY MAJOR

Program Contact

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Requirements for the Performing and Visual Arts Design and Technology (PVDT) Major

A major in PVDT consists of a minimum of 55 semester hours of credit.

- One of the following: THEA-100 or FS-101
- One of the following: ART-101 or ART-102
- Six courses on design/technology: TD/ART-130, TD-150 (w/co-requisite TD-001-008), TD/ART-231, TD/ART-232, TD/ART/MUS-233, and either MCS-225 or MUS-226
- Two historical courses: THEA-300W* or ART-150, and THEA-301W* or ART-160
- Twelve additional credits from the following electives: ART-101, 102, 106, 107, 150, 160, 371, 372; ART/GWSS-373; FS-101; MCS-220, 225, 327, 355; MS-100, 200A/B; MUS-226, 227, 301; PVDT-350, 361, 362, 381, 382, 461, 462, 492; TD-001-008, 240, 241; THEA-275 (with co-requisite TD-001-008), 300W, 301W; 370; and special topics, directed studies, research courses and/or internships as approved by the Performing and Visual Arts Design and Technology Coordinator
- PVDT-491 or relevant capstone approved by the Performing and Visual Arts Design and Technology Coordinator.
- ***'W' requirement** can be completed in THEA-300W or THEA-301W
- **Oral and Capstone requirements** can be completed in PVDT-491 or relevant capstone approved by the Performing and Visual Arts Design and Technology Coordinator.
- **Experiential Learning Project (XLP)**. Students may:
 - Study abroad in an approved program
 - Complete an off-campus PVDT-oriented internship
 - Complete an approved 4-credit independent study
 - Complete an approved Summer Fellowship
 - Complete THEA-275 with the corresponding co-requisite TD-001-008
- Students may count up to four credits of TD 001-008 toward the required elective credits beyond the co-requisite for TD-150.

General Advising Notes for Students Considering a PVDT Major

1. **Rotations** (*The following are general rotations and are not guaranteed.*)

THEA 100 is offered every fall.

FS 101 is offered every semester.

ART 101 & 102 are offered most semesters.

TD/ART 130 is offered every fall.

ART 150 and ART 160 are offered annually (semesters may vary).

TD 150 (w/co-requisite TD-001-008) is offered every semester.

MCS 225 is offered every third semester.

MUS 226 is offered annually.

TD/ART 231, TD/ART 232, and TD/ART/MUS 233 are each offered once every two academic years. THEA 300W and THEA 301W are alternated every fall.

2. Technical Theater/Crew Positions

Students interested in technical theater can register for TD 001-008 [Production Practicum].

3. Credits

PVDT students often exceed 16 credits in a given semester due to the 1- and 2-credit courses offered. Please note that a schedule with ≤ 18 credits is not considered an overload. 19 or more credits requires approval from the Registrar.

4. Double Majoring

No more than three courses taken for the PVDT major can be counted toward another major.

5. Core

Please note that given the interdisciplinary nature of the PVDT major, it is not only possible, but strongly encouraged to fulfill Core requirements within the major, especially if the student is considering double majoring.

6. Substitutions

Substitutions can be made with the approval of the PVDT Coordinator. New and/or special topics courses can be approved for elective credit by the PVDT Coordinator.

PVDT CHEAT SHEET: FULL COURSE TITLES

- ART 101: Drawing I
- ART 102: Painting I
- ART 106: Sculpture I
- ART 107: Digital Photography I
- ART 150: History of Art I: Ancient Through Medieval
- ART 160: History of Art II: Renaissance to Modern
- ART 371: Modern Art
- ART 372: Contemporary Art
- ART/GWSS 373: Feminism and Gender in Art and Art History
- FS 101: Introduction to Film Studies
- MCS 220: Introduction to New Media
- MCS 225: Digital Filmmaking
- MCS 327: Remix Culture
- MCS 355: Technology and Culture
- MS 100: Museum Studies
- MS 200A/B: Curatorial Practice
- MUS 226: Music Technology I
- MUS 226: Music Technology II
- MUS 301: What Is Music?
- PVDT 350: Advanced Special Topics in Performing and Visual Arts Design and Technology
- PVDT 361: Directed Studies/Research in Theater
- PVDT 381: Internship (3 cr.)
- PVDT 382: Internship
- PVDT 461: Advanced Directed Studies/ Research in Theater (3 cr.)
- PVDT 462: Advanced Directed Studies/ Research in Theater
- PVDT 492: Research/Independent Work
- TD 001-008: Production Practicum
- TD/ART 130: Introduction to Design
- TD 150: Basic Stagecraft w/co-requisite TD 001-008: Production Practicum
- TD/ART 231: Lighting Design
- TD/ART 232: Scene Design
- TD/ART/MUS 233: Sound Design
- TD 240: Special Topics in Theater Production or Design
- TD 241: Special Topics in Theater Production or Design (2 cr.)
- THEA 100: Introduction to Theater
- THEA 275: Production Practicum w/ TD 001-008 (3 cr.)
- THEA 300W: History of World Theater and Drama I
- THEA 301W: History of World Theater and Drama II
- THEA 370: Directing for the Stage

- PVDT 362: Directed Studies/Research in Theater

TYPICAL PERFORMING AND VISUAL ARTS DESIGN AND TECHNOLOGY MAJOR PROGRAM

Below outlines a typical course sequence for Performing and Visual Arts Design and Technology (PVDT) majors. Students should consult closely with their PVDT major adviser to discuss selection and sequencing of courses, study abroad, internships, etc. **Please note that not all courses are offered every year; therefore, students interested in the PVDT major are encouraged to talk with the PVDT Coordinator as early as possible in their careers at Ursinus.**

FIRST YEAR

Fall

- CIE-100
- Foreign Language
- College Core
- THEA-100 or FS-101; if not available, one of the following is appropriate: ART-101, ART-102, TD/ART-130, MCS-225, MUS-226, or TD-150 (w/co-requisite TD-001-008)

Spring

- CIE-200
- Foreign Language
- College Core or PVDT Elective
- TD/ART-231, TD/ART-232, or TD/ART/MUS-233

SECOND YEAR

Fall

- THEA-300W or ART-150
- TD/ART-130 (if not taken first semester)
- College Core or PVDT Elective
- College Core or PVDT Elective

Spring

- TD/ART-231, TD/ART-232, or TD/ART/MUS-233
- PVDT Elective
- College Core or PVDT Elective
- College Core or PVDT Elective

PHILOSOPHY AND RELIGIOUS STUDIES

Department Contact

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The department of philosophy and religious studies comprises two independent programs of study, offering a major and minor in philosophy and a major and minor in religious studies.

Requirements for the Philosophy Major (36 hours as outlined below)

- PHIL-260 (Logic) or PHIL-261 (Philosopher's Toolkit)
- Either PHIL-404W **OR** PHIL-437W
- Seven additional four-credit courses, of which five must be drawn from the following four categories as indicated below:
 - a. Value Theory: two courses chosen from among PHIL-106, PHIL-107, PHIL/RELS-220, PHIL/GWSS-221, PHIL-230, PHIL/POL-237, PHIL-240, PHIL-243, PHIL/RELS/GWSS-244, PHIL-246, PHIL-247, PHIL-248, PHIL-249, PHIL-317, PHIL/POL-337, PHIL/POL-338, PHIL/POL-339, PHIL/RELS-343, and PHIL-344.
 - b. Metaphysics and Epistemology: one course chosen from among PHIL-274, 277, 279, PHIL/GWSS-371.
 - c. History: one course chosen from among PHIL/GWSS-221, PHIL-227, 254, 258, PHIL/RELS-313.
 - d. Philosophies: one course chosen from among PHIL-100, 102, 110, 230, PHIL/EDUC-310W, PHIL-345.

Special topics and other courses may count towards these category requirements with the permission of the department chair. Only two 100-level classes may count towards the major. Students must take at least two classes at the 300-level or above.

WARNING: While PHIL-260 (Logic) fulfills the MATH core requirement, advisors should be aware that this is not an easy way to fulfill that requirement. This is not a "Critical Reasoning" course. It is a rigorous and abstract—symbolic and formal—study of patterns of logical consequence.

Requirements for the Religious Studies Major (36 hours as outlined below)

- RELS-111 (World Religions)
- RELS-212 (What is Religion?)
- Either RELS-233 (Christianity), RELS-234 (Judaism), RELS-236 (Islam), or RELS-237 (Buddhism)
- RELS-404W (Senior Seminar)
- Five other four-credit courses in Religious Studies.

Requirements for the Philosophy Minor (20 hours as outlined below)

- PHIL-260 (Logic)
- Either PHIL-237 (Political Philosophy) **OR** 240 (Ethics) **OR** 340 (Meta-ethics)
- Three additional four-credit philosophy courses (no more than one course from the 100-level)

Requirements for the Religious Studies Minor (20 hours as outlined below)

- Religious Studies 111 (World Religions)
- four additional four-credit courses in Religious Studies

Typical Program for Philosophy Majors

The following program is presented as a general guideline only. The Philosophy major allows a great deal of flexibility in planning a course of study and allows ample room for a double major.

1. The department recommends that 200-level courses generally be taken earlier in the student's career.
2. Please note that Students can complete the major starting as late as the beginning of the junior year.
3. Study abroad and/or summer fellows are recommended for junior year.
4. The department strongly recommends that PHIL-260 or PHIL-261 be taken as early as possible.

FIRST YEAR

Fall

CIE 100
Foreign Language
College core or Elective
College Core or Elective

Spring

CIE 200
Foreign Language
PHIL-260 or PHIL-261
College core or Elective

SECOND YEAR

Fall

Philosophy 200-level, chosen from categories a.–d. above
College core or Elective
College core or Elective
College core or Elective

Spring

Philosophy 200-level, chosen from categories a.–d. above
College core or Elective
College core or Elective
College core or Elective

For information about a typical program beyond the second year, please contact the department chair.

Typical program for Religious Studies majors

The following program is presented as a general guideline only. The Religious Studies major allows a great deal of flexibility in planning a course of study and allows ample room for a double major.

1. The department recommends that 200-level courses generally be taken earlier in the student's career.
2. Please note that Students can complete the major starting as late as the beginning of the junior year.
3. Study abroad and/or summer fellows are recommended for junior year.

FIRST YEAR

Fall

CIE 100
Foreign language

Spring

CIE 200
Foreign language

College core or elective
College core or elective

College core or elective
RELS-111 (World Religions)

Advising notes for first year: The department recommends that RELS-111 (World Religions) be taken as early as possible. Note that the course fulfills the college's core requirement for a "G" (global diversity) course.

SECOND YEAR

Fall

RELS-212 (What is Religion?)
College core or elective
College core or elective
College core or elective

Spring

RELS-233, 234, 236, or 237
College core or elective
College core or elective
College core or elective

For information about a typical program beyond the second year, please contact the department chair.

Advising notes for the Religious Studies major

Students and advisors should be aware of the nature of the Religious Studies program at Ursinus, whose main orientation is comparative, historical, and critical rather than theological. Pre-theological students will find their career plans well served by an Ursinus Religious Studies major, but the major should not be understood as primarily pre-professional in intent. Religious Studies at Ursinus College is conceptualized as a broad-based course of study in the liberal arts, focusing on the theoretical analysis and historical understanding of religious texts, ideas, and practices, rather than as a program concentrating primarily on pre-theological education or preparation for seminary or other ministerial training. All students should be prepared to encounter a wide range of diverse convictions and interpretations in course readings and classroom discussion. Useful resources for students considering Religious Studies majors and for their advisors can be found at <http://studyreligion.org>.

PHYSICS AND ASTRONOMY

Department Contact

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REQUIREMENTS FOR MAJORS

Physics Track

Students must take the following courses:

- CS-173; MATH-112; PHYS-121Q, 122Q, 201, 207W, 299, 450W, 499
- any two of PHYS-328W, 329W, 338W, 339W
- any three of PHYS-304, 401, 409, 410
- and at least four credits of additional work at the 300-level or above

Applied Physics Track

Option A

Students must take the following courses:

- CS-173; MATH-112; PHYS-121Q, 122Q, 201, 207W, 299, PHYS-328W, 329W, 338W, 339W, 450W, and 499
- any three of PHYS-304, 306, 401, 405, 409, 410
- An internship (PHYS-381 or PHYS-382) or at least two credits of research (from PHYS-411, 412, 421, 422, 431, 432, 491)

Option B

Students participating in one of our pre-engineering partnerships have the option of completing the Applied Physics Track by taking the following courses:

- CS-173; MATH-112; PHYS-121Q, 122Q, 201, 207W, 299
- any two of PHYS-328W, 329W, 338W, 339W
- PHYS-304, 306, 405, 409, or 410

and completing one year of course work toward an engineering major at one of our partner schools.

Note: The Applied Physics Track Option B requires courses beyond those required by the pre-engineering program, and it is entirely optional.

Astrophysics Track

Students must take the following courses:

- CS-173; MATH-112; PHYS-121Q, 122Q, 201, 207W, 299, 450W, 499
- any two of PHYS-328W, 329W, 338W, 339W
- any three of PHYS-304, 401, 409, 410
- PHYS-301, and at least two credits of research (from PHYS-411, 412, 421, 422, 431, 432, 491)

Physics majors fulfill the W, oral presentation, and capstone requirements by taking PHYS-207W, and at least two of 328W, 329W, 338W, 339W, and 450W

Students anticipating graduate study in physics or astrophysics should select additional courses from PHYS-305, 306, 401, 405, 409, 410 and from MATH-235, 310, 413.

REQUIREMENTS FOR SECONDARY SCHOOL TEACHING CERTIFICATION

Students must take the following courses:

- BIO-101Q or 102Q or ENV-100; MATH-112 and CS-173; PHYS-121Q, 122Q, 201, 207W, 299, 450W, 499
- any two of PHYS-328W, 329W, 338W, 339W
- any three of PHYS-304, 401, 409, 410
- and at least four credits of additional work at the 300-level or above

REQUIREMENTS FOR MINORS

Minor concentration in physics:

- A minor in Physics consists of courses totaling 20 semester hours. Additionally, MATH-112 or equivalent is a pre- or co-requisite for PHYS-122Q and higher.
- These courses must include PHYS-121Q and 122Q; at least one of PHYS-201, 207W, or 299; and eight credits of additional work at the 200-level or higher (excluding PHYS-450).

Pre-engineering:

- Students interested in pursuing pre-engineering should contact the departmental pre-engineering adviser at the earliest opportunity to plan a program of study.

GENERAL ADVISING NOTES FOR PHYSICS MAJORS

1. Students should have a strong high school background in mathematics, including a good mastery of algebra and trigonometry. **Students do not need high school calculus or physics.** Physics is an appropriate major for students wishing to enter graduate programs in physics, applied physics, or engineering, or professional schools such as law or medical schools.
2. Students interested in physics or pre-engineering should **not** register for Physics 111 or Physics 112. Ideally, students interested in physics or pre-engineering should register for Physics 121Q and Physics 122Q and complete or place out of MATH112 in their first year.
3. **Pre-engineering Program.** Students in the pre-engineering program usually take Chemistry 107, 107L, 108, 108L; CS173, Mathematics 111, 112, 211; Physics 121Q, 122Q, 201. Additional courses in chemistry, mathematics, and physics are chosen in consultation with the pre-engineering adviser. The courses are determined by the particular field of engineering the student plans to enter. See the Pre-Engineering section of this guide for additional information.
4. **Teaching certification.** Students seeking secondary school teaching certification must take BIO-101Q or BIO-102Q or ENV-100; MATH-112; PHYS- 121Q, 122Q, 201, 207W, and 299; any two of PHYS-328W, 329W, 338W, 339W; any three of PHYS-304, 401, 409, 410; and 450; and at least 4 credits of additional work at the 300 level or above. For additional information, see the **Teacher Education Programs Guide** available on the Education Department's website.
5. The department has several course offerings in Astronomy and Astrophysics, supported by excellent observatory facilities. Students may apply some of these to the Physics major requirements. The department also offers a physics major with an Astrophysics emphasis (see the college catalog for details).
6. If there is uncertainty about placing a student into PHYS-111 or PHYS-121, contact the Physics department chair directly.

TYPICAL PHYSICS MAJOR PROGRAM

Below outlines a typical course sequence for Physics majors in the first and second years. Scheduling will vary depending on the student's track and interests. It is possible to complete the major on schedule providing Physics 121Q, 122Q, and Math 111, 112 are completed by the end of the second year. However, students who complete Physics 121Q-122Q by the end of the freshman year will have a wider choice of physics electives, which are usually offered in alternate years.

FIRST YEAR

Fall

PHYS-121Q¹
Foreign Language
CIE 100
MATH-111 or MATH-112^{2,3}

Spring

PHYS-122Q⁴
Foreign Language
CIE 200
Core/Elective or MATH-112

Advising Notes for First-Year

1. Math 111 is a pre-requisite or co-requisite for Physics 121. Please see the Math Placement guidelines for help determining the appropriate level of calculus for which the student should register.
2. Students who place out of MATH 111 based on results of the math placement exam may take MATH 112 in fall semester. Students who are not qualified to take MATH 112 must take MATH 111 (or MATH 110) prior to MATH 112.
3. Math 112 is prerequisite or co-requisite for all Physics courses above the 100 level.
4. PHYS-121 is a pre-requisite and Math 112 is a pre-requisite or co-requisite for Physics 122Q.

SECOND YEAR

Fall

PHYS-201
CS-173
Core/Elective
Core/Elective

Spring

PHYS -207
PHYS-299
Core/elective
Core/elective

After completing PHYS-122, majors are eligible to begin completing the advanced laboratory requirement (at least two of PHYS-328W, PHYS-329W, PHYS-338W, PHYS-339W). In the Junior and Senior years, majors complete the upper-level major distribution requirements (any three of PHYS-304, PHYS-401, PHYS-409, PHYS-410 and an additional 4 credits at the 300 level or above). All Senior majors must complete the capstone course (PHYS450: Senior Seminar).

POLITICS

Department Contact

Annie Karreth
akarreth@ursinus.edu
Bomberger Hall 208
Campus Extension: x3550

Requirements for the Politics Major (40 hours in Politics)

- POL-218 American Government
- POL-237 Political Philosophy
- POL-242 Comparative Politics OR POL-252 International Politics
- POL-300 Thinking with Data in Politics and International Relations
- A seminar at the 400 level
- Five additional Politics courses, at least four of which must be at the 300-level or above

Requirements for the Politics Minor (20 hours in politics)

- Two courses from among Politics 218, 237, 242, 252
- Three courses at the 300 or 400 level

General Advising Guidelines for Politics Majors

1. **Overview.** Politics majors use their broad preparation for life in a wide variety of ways. We are considered by Rugg's Guide to be a category I department, the highest ranking a college program may earn. Many of our graduates go on to law school (nationally, we rank highly in graduates earning J.D.s). Others attend graduate school for careers in government, college and high school teaching, and business. A number of our graduates work in international organizations, non-profit associations and organizations, campaign management and lobbying, journalism, and electoral politics. The Department offers a full set of courses in American, comparative, international politics, and political philosophy from professors who favor the Socratic method of class discussion over the lecture format of teaching.
2. **Course sequencing.** We encourage prospective Politics majors to enroll in one or more 200-level courses during their first year and take a good share of their college-required core courses during their first several semesters. However, 300 level courses do not have prerequisites, and students may opt for such a course early in their careers, especially in an area of particular interest for them. Students are strongly encouraged to take Research Methods early in their careers in the major. It is recommended that students take STAT-141 as their R requirement.
3. **Teaching Certification.** In addition to the basic requirements of the major, students seeking a teaching certificate in social studies must be enrolled in the College's teacher education program. Substantial further coursework outside of the major is required in order to prepare the student for actual subject matters taught in the secondary curriculum. Students who wish to pursue teaching certification should consult their departmental adviser and the chair of the department of education as early as possible, preferably at the end of the freshman year. Students may also consult the *Teacher Education Programs Guide* available on the Education Department's website.
4. **Law school preparation.** Students interested in pursuing a career in law may elect to become Politics majors, although this is not necessary. Courses offered in the Politics Department encourage students to structure and evaluate contrasting perspectives, thereby teaching the kind of analytical

and problem-solving skills that law schools demand. Politics courses also encourage students to engage in close reading and critical analysis of complex material and develop written and oral communication abilities as well as research skills. The department regularly offers a course on legal writing and argument that develops students' writing and advocacy skills. The core courses for the Legal Studies minor reside in the Politics Department.

5. **Related Courses.** Students are advised to consider taking courses related to politics such as history, philosophy and economics. Students may also consider studying abroad or spending a semester studying in Washington, D.C. Politics majors may participate in the Model UN program for credit and are encouraged to do a Politics-related internship for credit.

TYPICAL POLITICS MAJOR PROGRAM

The schedule below outlines a typical course sequence for Politics majors in the first and second years. Junior and senior year scheduling is flexible. Students are advised to consult with their Politics adviser to discuss selection and sequencing of courses, study abroad, research opportunities, etc.

Due to considerable program flexibility, a student may complete the program starting as late as the beginning of the junior year. Study abroad and internships are strongly encouraged and typically completed during the junior or senior years.

FIRST YEAR

Fall

CIE 100
Foreign Language
Politics 200-level
College Core or Elective

Spring

CIE 200
Foreign Language
POL-300 or Politics 200-level
College Core or Elective

SECOND YEAR

Fall

Politics 200-level
Politics 300-level
College Core or Elective
College Core or Elective

Spring

POL-300 or Politics 300-level
Politics 300-level
College Core or Elective
College Core or Elective

PRE-ENGINEERING PROGRAM

Contact Information

Dr. Lew Riley, Pre-Engineering Program Coordinator

Lriley@ursinus.edu lriley@ursinus.edu

Pfahler 112D

Campus Extension: x4307

Ursinus is affiliated with the Combined Plan Program in Engineering at Columbia University, the Dual Degree Program in Engineering at Case Western Reserve University (CWRU), and the Dual Degree Program at Washington University at St. Louis (WashU). Students may apply for transfer to our affiliate institutions after completing three years of prescribed work toward a B.A. or B.S. at Ursinus. Ursinus will grant the B.A or B.S. degree in pre-engineering, and the partner institution will grant the engineering degree, on satisfactory completion of the fifth year. Participants may optionally pursue the Applied Physics track in the physics major (see the [Ursinus Course Catalog](#) for details) and earn a B.S. from Ursinus.

Combined Plan Program at Columbia University

The Combined Plan at Columbia University offers majors in Applied Mathematics or Applied Physics , Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Computer Science, Earth and Environmental Engineering, Electrical Engineering, Engineering Management Systems, Industrial Engineering, Operations Research, Engineering Mechanics, Materials Science and Engineering, Mechanical Engineering.

- Interested students should carefully read the Pre-Combined Plan Curriculum Guide which can be downloaded from undergrad.admissions.columbia.edu/learn/academiclife/engineering/combined-plan-program, and contact one of the Pre-Engineering Advisers (below) at the earliest opportunity in order to plan a program of study.
- The following core pre-engineering courses are required for all Combined Plan candidates: PHYS-121Q/121L, 122/122L, 201; MATH-111,112, 211; CHEM-107/107L; CS-173; ECON-101 or ECON-102. Additional prerequisites are required for each major (see the Pre-Combined Plan Curriculum Guide).
- Candidates should be aware that admission to the engineering program at Columbia is not guaranteed. In order to be competitive in the admissions process, participants must meet all requirements outlined in the Combined Plan Curriculum Guide. Requirements include:
 - A minimum 3.0 (B) *on the first attempt* in all science and mathematics prerequisite coursework
 - A minimum 3.30 GPA, both overall and in pre-engineering courses, is required
 - Favorable letters of recommendation from the Combined Plan Liaison, a science instructor, and a mathematics instructor
 - All pre-engineering courses must appear on the Ursinus transcript.
- Candidates typically complete Physics 121-122 and Mathematics 111-112 in the first year. In order to complete the pre-engineering requirements for transfer after three years, candidates *must* complete Physics 121-122 in their second year.
- The Combined Plan requires either ECON101: Microeconomics or ECON102: Macroeconomics and recommends taking both.

Dual Degree Program at Case Western Reserve University

The Dual Degree Program at CWRU offers majors in Aerospace Engineering, Biomedical Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Macromolecular Science and Engineering, Materials Science and Engineering, Mechanical Engineering, Engineering Physics, and Systems and Control Engineering.

- Interested students should consult Dual Degree program web site (<https://engineering.case.edu/academics/dual-degree-program>) for courses recommended for specific majors and contact one of the Pre-Engineering Advisers (below) at the earliest opportunity in order to plan a program of study.
- The following core pre-engineering courses are required for all Dual Degree Program candidates: PHYS-121Q/121L, 122/122L, 201; MATH-111,112, 211, 310; CHEM-107/107L, 108/108L; CS-173.
- Candidates should be aware that admission to the engineering program at CWRU is not guaranteed. In order to be competitive in the admissions process, participants must meet the following requirements:
 - Completion of the then current Dual Degree Entrance Course Requirements established by CWRU
 - Completion of the equivalent of 90 semester hours at Ursinus with a grade point average of 3.0 or greater on a scale of 0.0-4.0
 - A 3.0 cumulative grade point average in Math and Science courses at Ursinus
- Candidates typically complete Physics 121-122 and Mathematics 111-112 in the first year. In order to complete the pre-engineering requirements for transfer after three years, candidates *must* complete Physics 121-122 in their second year.

Dual Degree Program at Washington University at St. Louis

The Dual Degree Program at WashU offers majors in Biomedical Engineering, Chemical Engineering, Computer Engineering, Computer Science, Electrical Engineering, Environmental Engineering, Mechanical Engineering, and Systems Science & Engineering. With one additional year of study at WashU (three total years at WashU), students can earn an engineering master's degree in addition to their undergraduate engineering degree and their liberal arts degree from Ursinus.

- Interested students should consult Dual Degree program web site (<https://engineering.wustl.edu/academics/dual-degree-program>) for courses recommended for specific majors and contact one of the Pre-Engineering Advisers (below) at the earliest opportunity in order to plan a program of study.
- The following core pre-engineering courses are required for all Dual Degree Program candidates: PHYS-121Q/121L, 122/122L, 201; MATH-111,112, 211; MATH 310 or PHYS-299; CHEM-107/107L; CS-173.
- Participants must meet the following requirements:
 - Completion of the then current Dual Degree requirements established by WashU
 - Completion of the equivalent of 90 semester hours at Ursinus with a grade point average of 3.25 or greater on a scale of 0.0-4.0
- Candidates typically complete Physics 121-122 and Mathematics 111-112 in the first year. In order to complete the pre-engineering requirements for transfer after three years, candidates *must* complete Physics 121-122 in their second year.

Other Programs

Students may apply for admission to engineering programs other than our formal partner institutions. In this case, their program of study should be approved by the Academic Standards and Discipline Committee in order to ensure that they will be eligible for a degree from Ursinus. It is important to be aware that admissions to these programs can be competitive and that candidates from schools with formal partnerships have a significant advantage.

PRE-ENGINEERING ADVISERS

	Department	Email	Office	Phone
Ellen Dawley	Biology	edawley@ursinus.edu	Thomas 224	610-409-3285
Scott Deacle	Business & Economics	sdeacle@ursinus.edu	Bomberger 308	610-409-3019
Mark Ellison	Chemistry	mellison@ursinus.edu	Pfahler 313A	610-409-3245
Leah Joseph	ENV	ljoseph@ursinus.edu	Pfahler 112E	610-409-3017
Ann Marie Schilling	Math/CS	avecaschilling@ursinus.edu	Pfahler 101H	610-409-3186
Lew Riley	Physics	lriley@ursinus.edu	Pfahler 112D	484-762-4307

Pre-Health Professions

PRE-HEALTH PROFESSIONS

Allopathic and Osteopathic Medicine, Dentistry, Veterinary Medicine, Physician Assistant, Physical Therapy, Occupational Therapy, and other health fields

Contact information

Office of Career and Post-Graduate Development (CPD)

<mailto:edawley@ursinus.edu>Career@ursinus.edu

Campus extension: x3599

Bomberger 110

Pre-medical, pre-dental, and pre-veterinary majors do not exist at Ursinus College. However, there is a flexibly defined program of study with certain required courses and a committee composed of faculty and advisers. CPD is an excellent resource for students who are considering a program to prepare for career in health.

Minimum Requirements for Application to Medical School

Successful applicants to medical, dental, veterinary, and other health professional programs generally have a high overall grade point average and a high average in science/math courses. Students in any major may apply for admission to these programs if they meet minimum entrance requirements which often include successful completion of the following courses:

Biology 101Q/101L

Biology 102/102L

Chemistry 107Q/107LQ and 108/108LQ

Chemistry 207/207LQ and 208/208LQ

Physics 111 and 112

English (one year)

Math Course

Issues in Ecology & Evolution

Cell Biology

General Chemistry I and II

Organic Chemistry I and II

General Physics I and II

CIE 100 and 200 satisfy this requirement

Most medical schools have a mathematics requirement, although few require calculus or calculus-based courses.

Recommended Courses

BIO 201 (Genetics), BIO-306 (Human Physiology) or BIO 205/206 (Anatomy and Physiology I and II) are strongly recommended for those not majoring in Biology. The MCAT was revised in 2015 to include testing of concepts in Biochemistry, Psychology, Sociology and Statistics. Therefore, it is recommended that students take BCMB-351 (Biochemistry I) or CHEM 347 (Fundamentals of Biochemistry), PSYC-100 (Introductory Psychology), SOC-100 (Contemporary Social Issues), and STAT 140 or 141.

GENERAL ADVISING NOTES FOR STUDENTS INTERESTED IN A HEALTH PROFESSION

1. Chemistry 151/151LQ may be taken in place of 107/107L and 108/108L; however, medical schools may require 16 credits in chemistry. Please talk with us for alternative courses if you completed Chemistry 151/151LQ.
2. Students are strongly advised to complete the required science courses at Ursinus during the regular school year.

3. In the fall semester, we will offer multiple sections of CHEM-107/107L and CHEM-207/207L, and in the spring semester, we will offer CHEM-108/108L and CHEM-208/208L as part of the usual sequence. We will also offer one section of each course in the opposite semester for students who need to start their chemistry studies in the spring or need to take these courses outside the usual sequence.

4. Students should not take any prerequisite courses with S/S-/U grading as many graduate programs will not accept S/S-/U grades.

5. Check carefully for other prerequisites for specific professions and specific schools. For example:

- Dental schools require or strongly recommend courses in Biochemistry, Anatomy, and other upper-level Bio courses
- Veterinary schools require or strongly recommend courses in Biochemistry, Microbiology, and/or Genetics.
- Optometry schools often require Microbiology, Statistics and Psychology.
- Physician Assistant, Physical Therapy and Nursing programs may require Anatomy, Physiology, Microbiology, Genetics, and Psychology, and require only 1 or 2 chemistry courses and no physics

5. Students are not assigned an adviser until the beginning of the junior year. In the interim, please direct your questions to CPD.

TYPICAL COURSE SEQUENCE FOR STUDENTS IN A PRE-HEALTH TRACK

Students are encouraged to work closely with their adviser and to develop a plan that will meet their needs and academic goals, especially those students who are considering a career outside of becoming a doctor. Most students applying to medical school take the MCAT at the end of their Junior year (April or May). Some may plan to take it earlier to accommodate study abroad in the spring of junior year. It also is not unusual for a student to take it later (e.g., senior year). Continued studying, additional courses, and exam preparatory courses can help a student to prepare for and do well on standardized exams.

Below are three possible course plans for students pursuing a pre-med program of study. The plans vary depending on a student's science background and plan for application to medical school (or other program). Students are often focused on completing their requirements on a track that will enable them to go straight from Ursinus to medical school; this track is intense and not the only option. Therefore, students may benefit from taking the MCATs after their senior year and then taking a "gap year" before entering medical school. Please note that these are only examples; many other permutations are possible.

PLAN A. Below is a typical course sequence for students who enter Ursinus with a strong high school science background and are planning to take their MCATs at the end of their junior year.

Fall	FIRST YEAR	Spring
BIO-101Q		BIO-102Q
CHEM-107/107L Gen Chem I w/ Lab		CHEM 108/108L Gen Chemistry II w/Lab
College Core (flexible)		College Core (flexible)
CIE 100		CIE 200

SECOND YEAR

(Pre-Med required and recommended courses only – does not include reference to major or core courses)

Fall

BIO-201W (recommended if not a BIO/BCMB Major)
 CHEM-207/207L Organic Chemistry I w/Lab Math (if not completed in first year)

Spring

Additional Biology course (recommended if not a BIO/BCMB major)
 CHEM 208/208L Organic Chemistry II w/Lab

THIRD YEAR

(Pre-Med required and recommended courses only – does not include reference to major or core courses)

Fall

PHYS-111
 Additional Biology course (e.g., BIO-306 or BCMB-351 or CHEM 347) (recommended)
 PSYC-100

Spring

PHYS-112
 SOC 100
MCAT IN SPRING OF JUNIOR YEAR

PLAN B. For students without a strong science background (may or may not be planning to major in science) and planning to take their MCAT's at the end of their junior year. While most students choose to take BIO 101/102 in the first year and CHEM 107/107L and CHEM 108/108L in the second year, these can be switched if the student is stronger in chemistry than biology.

FIRST YEAR**Fall**

BIO-101Q BIO-102Q
 Foreign Language/Math (flexible)
 Major or Core or Elective
 CIE 100

Spring

Foreign Language/Math (flexible)
 Major or Core or Elective
 CIE 200

SECOND YEAR

(Pre-Med required and recommended courses only – does not include reference to major or core courses)

Fall

BIO-201W (recommended if not a BIO/BCMB major)
 CHEM-107/107L Gen Chem I w/ Lab Math (if not completed in first year)

Spring

Additional Biology course (recommended if not BIO/BCMB major)
 CHEM 108/10L Gen Chemistry II w/Lab

THIRD YEAR

(Pre-Med required and recommended courses only – does not include reference to major or core courses)

Fall

PHYS-111
 CHEM-207/207L Organic Chemistry I w/Lab
 PSYC-100

Spring

PHYS-112
 CHEM 208/208L Organic Chemistry II w/Lab
 SOC100
MCAT IN SPRING OF JUNIOR YEAR

PLAN C. For students starting without a strong science background (may or may not be planning to major in science) and planning to take their MCAT's later than their junior year. Please note that this plan would require a student to take one year off between graduation from Ursinus and the start of medical school. Applications would be submitted during the summer following graduation. While most students choose to take BIO 101/102 in the first year and CHEM 107/107L and CHEM 108/108L in the second year, these can be switched if the student is stronger in chemistry than biology.

FIRST YEAR

Fall

BIO-101Q
Foreign Language/Math (flexible)
Major or Core or Elective
CIE 100

Spring

BIO-102Q
Foreign Language/Math (flexible)
Major or Core or Elective
CIE 200

SECOND YEAR

(Pre-Med required and recommended courses only – does not include reference to major or core courses)

Fall

CHEM-107/107L Gen Chem I w/ Lab
Math (if not completed in first year)

Spring

CHEM 108/108L Gen Chemistry II w/Lab

THIRD YEAR

(Pre-Med required and recommended courses only – does not include reference to major or core courses)

Fall

CHEM-207/207L Organic Chemistry w/Lab
BIO 201W (recommended if not a BIO/BCMB major)

Spring

CHEM 208/208L Organic Chemistry II w/Lab
Additional Biology course (recommended if not BIO/BCMB major)

FOURTH YEAR

(Pre-Med required and recommended courses only – does not include reference to major or core courses)

Fall

PHYS-111
PSYC-100
BCMB 351 or CHEM 347

Spring

PHYS-112
SOC-100
MCAT IN SPRING OF SENIOR YEAR

PRE-LAW GUIDELINES

Contact

Anna Marks

Pre-Law Coordinator

amarks@ursinus.edu

Bomberger 201

Campus Extension: 3035

The American Bar Association, the Law School Admissions Council, and the Association of Pre-law Advisers maintain that the best preparation for law school is the kind of curriculum offered at Ursinus: a liberal arts curriculum with an emphasis on fundamental skills like reading, writing, and reasoning. Although Pre-Law students can major in any course of study, they should take courses that help hone these basic skills. Ursinus offers a multi-faceted Pre-Law program ranging from intense advising and LSAT preparation to curricular offerings and a Legal Studies Minor.

Guidelines for Advising Students interested in Law School

1. A broad liberal education is the best preparation for a legal career. Satisfaction and success in the legal profession depend less on a student's particular course of study than on how interesting and challenging that course of study is to the student. It is recommended that students intent on going to law school take several writing intensive courses with the goal of focusing on and improving their writing. The College offers a Minor in Legal Studies which outlines a course of study that will enhance and enrich one's interest in the law.
2. A strong academic record is essential for students hoping to attend law school; the law school admissions process is competitive and focuses primarily on a student's grades and Law School Admissions Test (LSAT) score.
3. Students with a strong academic record should apply to be enrolled in the Legal Writing and Argument course ("Moot Court") offered in the spring semester. Preference is given to juniors and seniors. This course mirrors the first-year legal writing course at most law schools and seeks to improve the writing, argument, and analytical skills of Pre-Law students. The course is taught by two lawyer alumni. Pre-Law students should also consider the Trial Advocacy class, which teaches oral and written advocacy skills and how to think and speak like a lawyer.
4. A strong score on the LSAT is important for gaining admission to law school and also for receiving scholarship offers. The LSAT is usually taken either in June following a student's junior year or in September of a student's senior year. The Pre-Law Advisor has more information about the LSAT.
5. Pre-Law students are encouraged to take advantage of legal internships and externships, and to be active and enthusiastic members of campus.
6. All juniors, and seniors who identify themselves as having an interest in the law are advised by Anna Marks, the College's Pre-Law Coordinator.
7. Students interested in law school will want to become active in student/ alumni networking events, which occur at least once per semester. Ursinus is fortunate to have an active community of alumni attorneys in the area.

Pre-Theological Studies

PRE-THEOLOGICAL STUDIES

Contact Information

Division of Inclusion and Community Engagement (DICE)
Corson Hall Room 227
inclusionandcommunity@ursinus.edu

Program Information

Students who are considering entering a school of theology, seminary, divinity, or rabbinical school after graduation are encouraged to discuss their plans with members of DICE, the College Chaplain and/or members of the department of Religious Studies. Most seminaries and schools of theology will accept students from any academic major. In general, a broad background in the humanities, arts, and the sciences are desirable. Also, students should check with their denomination for more specific details regarding entrance requirements, especially, if seeking ordination. Please contact DICE for further information.

Psychology

PSYCHOLOGY

Department Contact

Kneia DaCosta
kdacosta@ursinus.edu
Thomas Hall 327
Campus Extension: 3415

Kim Kremer
kkremer@ursinus.edu
Thomas Hall 333
Campus Extension: x3632

The Psychology Department at Ursinus offers a broad variety of classes that cover the many facets of the field of Psychology, including clinical, industrial/organizational, cognitive, developmental, social, health and experimental. This perspective prepares the student for internships and research experience. The psychology program is fairly flexible and will work with a student to design a program that will meet his/her particular educational/vocational objectives.

The Department of Psychology offers a comprehensive curriculum characterized by breadth and depth of study. A major in psychology prepares students for immediate employment in a wide variety of positions (e.g., human services, health care, research, sales, and marketing) as well for graduate study in psychology or another field (e.g., speech therapy, occupational therapy, law, elementary and secondary school counseling, school psychology). Pennsylvania certification in social studies for grades 7-12 is also attainable; students and their advisors should consult the Education Department for more information.

The general objectives of the department of psychology are that students:

1. develop a knowledge base of key concepts and perspectives of the various content areas and applications of psychology;
2. engage in scientific inquiry and develop critical thinking skills;
3. develop an understanding of ethical and social responsibility in a diverse world;
4. develop strong oral and written communication skills; and
5. refine skills relevant to their professional development such as project management skills and teamwork capacity.

In order to meet these objectives, the psychology major requirements are divided into five components as explained below: foundation courses, content courses, advanced research methods courses, capstone course, and elective courses. Recommended courses for majors pursuing graduate school in psychology or a related field and minor requirements are also explained below. Psychology majors fulfill the writing requirement by completing PSYC-200Q and the oral and capstone requirement by completing a capstone course (i.e., a course numbered 460 or higher).

PSYCHOLOGY MAJOR REQUIREMENTS

Requirements for Majors

1. **Foundation Courses:** PSYC-100, 200Q.
2. **Content Courses:** Each student must select four courses, each one from each content area, at least two of which must be at the 300 level.
 - a. Health: PSYC/GWSS/IDS-214; PSYC-310, 312.
 - b. Clinical/Personality: PSYC-220, 320, 322.
 - c. Cognitive/Cognitive Neuroscience: PSYC/NEUR-230, PSYC-232, PSYC/NEUR-330, PSYC/NEUR-332.
 - d. Developmental: PSYC-240, 340, 342.
 - e. Social: PSYC-250, 252, 350, 352.

3. **Advanced Research Methods Courses:** Each student must select one course from at least two different content areas (two courses total). PSYC 200Q and the corresponding 300-level content course are prerequisites for the Advanced Research Methods Courses.
 - a. Health: PSYC-410W.
 - b. Clinical/Personality: PSYC-420W.
 - c. Cognitive/Cognitive Neuroscience: PSYC/NEUR-430W, 432W.
 - d. Developmental: PSYC-440W.
 - e. Social: PSYC-450W.
4. **Capstone Course:** One seminar course (numbered in the 460s or 470s), or honors research (numbered PSYC-491 or PSYC-492).
5. **Elective Courses:** Eight additional elected credits in Psychology.

GENERAL ADVISING NOTES FOR STUDENTS INTERESTED IN THE PSYCHOLOGY MAJOR

1. Many psychology majors elect a minor to further vocational objectives.
2. Students who plan on graduate study or work in the areas of clinical psychology, counseling, etc. are strongly urged to gain some field experience through volunteer projects and Psych 381 (Internship course). The department can assist students in finding opportunities for such experience.
3. PSYCHIATRY is a medical specialty that requires an M.D.; interested students can major in psychology but should plan to take "Premed" courses. For more information, the student should arrange a meeting with the Chair of the Pre-Med Committee.

TYPICAL PROGRAM FOR PSYCHOLOGY MAJORS

FIRST YEAR

Fall

CIE 100
 Foreign Language
 PSYC 100 (See AP Credit note below)
 College Core or elective

Spring

CIE 200
 Foreign Language
 One of the following: PSYC 200Q or PSYC elective
 College Core or elective

Advising notes for first-year:

1. **AP CREDIT:** Credit for Psych 100 is awarded to students who earn a 4 or 5 on the Advanced Placement Test. For students who earn AP credit for PSYC 100, it is recommended that they take a PSYC elective in the fall
2. **MATH REQUIREMENT:** STAT-141Q and 242 are recommended for those students who are considering graduate study in psychology or related fields.

SECOND YEAR

Fall

PSYC 200Q or PSYC elective
 PSYC Major Content area elective

 College Core or elective
 College Core or elective

Spring

PSYC 200Q or PSYC Major Content area elective
 College Core, elective, or PSYC Major Content area elective
 College Core or elective
 College Core or elective

Advising notes for Second Year:

1. Students may begin the program as late as spring of the second year. These students typically can complete the program without scheduling difficulties.

THIRD AND FOURTH YEARS

- Junior and senior years focus on completion of the college's core requirements, electives, and the remaining requirements for the major, including the student's two Advanced Research Methods courses and capstone requirements. Some students will choose to complete a minor and/or double major. The following courses are recommended for students interested in pursuing graduate study in psychology or related fields:
- STAT-141Q, 242, or 243W.
- PSYC-481, 482, 491, or 492.
- At least three electives from departmental offerings at the 300-400 level.
- BIO-101Q or BIO-102Q.

PSYCHOLOGY MINOR REQUIREMENTS**Minor concentration in psychology**

- Psych 100 Introduction to Psychology
- Four courses, one in any four of the following areas:
 - Health psychology chosen from PSYC/GWSS/IDS-214, PSYC-310, or 312
 - Clinical / personality psychology chosen from PSYC-220, 320, or 322
 - Cognitive psychology / cognitive neuroscience chosen from PSYC/NEUR-230, PSYC-232, PSYC/NEUR-330, or PSYC/NEUR-332
 - Developmental psychology chosen from PSYC-240, 340, or 342
 - Social psychology chosen from PSYC-250, 252, 350, or 352
- At least one course is required at the 300-level

SCIENCE AND THE COMMON GOOD (MINOR)

Program Contact:

Rebecca Lyczak

rlyczak@ursinus.edu

IDC-202

Campus extension: 3219

Science and the Common Good

Science and the Common Good is an interdisciplinary minor designed to challenge students to consider the connection between science and other ways of understanding – ethical, political, religious, artistic – and to ponder how science can help or hinder our efforts to live together. The minor program provides students with curricular opportunities to explore the Ursinus Quest curriculum in ways that build connections across disciplines. A minor in Science and the Common Good consists of 24 credits plus an applied learning experience. It fulfills the linked inquiry requirement. Required courses in the three categories below address Ursinus Quest:

Category 1: What should matter to me? and How should we live together?

Four courses.

- 1) POL-336
- 2) One ethics course: EDUC-380, ENV-248, HS-275, PHL-240, PHL-246, POL-237
- 3) One additional course that links science and another discipline: ANTH-235, ENG-230 (Afro-futurism), ENV-242, ENV-272, ENV-332, ENV-338, ENV-360, ENV-366, HS-202, HIST/ENV-254, HIST-475W, POL-354, SPAN-308, SOC/ENV-220, SOC/ENV-288, SOC/ENV-290, SOC/HS-298
- 4) An additional class from #2 or #3 above, or a science course (in addition to those in category 2) that fulfills a DN, GN, O, or CCAP requirement. A 4-credit XLP (from category 3 below) may also be used to fulfill this requirement.

Category 2: How can we understand the world (through science)?

Two courses from the natural sciences, OR two courses from mathematics, OR two courses from computer science.

Category 3: What will I do?

Credit or non-credit applied learning project with reflection.

To fulfill the Science and the Common Good minor, students must also complete an experiential learning project (XLP) or similar experience, that bridges science and society. Options include: internships, Summer Fellows research, or other non-XLP experience approved by the minor coordinator (and director or advisor of the experience, as needed). A 3- or 4-credit accumulated sequence of research, or a volunteer experience that leads to a coherent project at the intersection of science and society may also fulfill this requirement, with approval from the minor coordinator and the faculty/staff member supervising the experience.

Advising Notes:

A limit of 12 credits toward the minor can be fulfilled from courses in a single department.

Theater & Dance

THEATER & DANCE – THEATER

Department Contact

Dr. Meghan Brodie
mbrodie@ursinus.edu
Kaleidoscope 220
Campus extension: x3263

Requirements for the Theater Major

A major in Theater consists of 42-46 semester hours of credit.

- **THEA-100** Introduction to Theater
- **TD-150** Stagecraft with corequisite **One credit of TD-001-008**
- **At least one acting/directing course:** THEA-250, 260, 261, or 370
- **At least one design/technology course:** TD/ART-130, TD/ART-231, TD-ART-232, TD/ART/MUS-233, or TD-240
- **THEA-300W** and **THEA-301W**
- **One capstone course** (THEA-400, TD-400, or THEA-491-492)
- **At least three additional credits of THEA-001-008 or TD-001-008** (beyond the corequisite for TD-150)
- **At least twelve additional THEA or TD credits.** Up to six credits from Directed Studies/Research (THEA-361, 362, 461, and 462) and/or up to four credits of any combination of THEA-275, THEA 001-008, and/or TD-001-008 (beyond the required four credits) may be used towards this requirement.
- **'W' requirement** can be completed in THEA-300W or THEA-301W
- **Oral and Capstone requirements** can be completed in THEA-400, TD-400, or THEA 491-492.
- **Experiential Learning Project (XLP).** Students may:
 - Study abroad in a theater program approved by the department
 - Complete an off-campus theater-oriented internship
 - Complete an approved 4-credit independent study
 - Complete an approved Summer Fellowship
 - Complete THEA-275 with the corresponding co-requisite THEA-001-008 or TD-001-008

Requirements for the Theater Minor (20 credits)

- **THEA-100** Introduction to Theater
- **TD-150** Stagecraft with corequisite **One credit of TD-001-008**
- **At least one additional credit of THEA-001-008 or TD-001-008** (beyond the corequisite for TD-150)
- **Three additional THEA or TD courses** (at least one of which is at the 300 or 400 level).

General Advising Notes for Students Considering a Theater Major

1. Prospective Theater majors:

There is no audition required to be a Theater major (auditions are, however, required to be cast in one of our productions). Students do not need to have prior experience in theater to declare a Theater major. Interested students should begin with the THEA-100 course (several seats are reserved for first-year students) and at least one additional 100- or 200-level course in their first year. TD/ART-130:

Introduction to Design is offered each fall and may be taken alongside THEA-100: Introduction to Theater during a student's first semester. Many Theater majors also major in another discipline. Students can easily double major and graduate in four years without any extra expenses.

2. We welcome students from all departments into our theater courses and productions.

Any 4-credits of our courses will fulfill the college core Arts requirement. Being a Theater major or minor is not a requirement to participate in any of our classes or to audition for any of our productions.

3. Substitutions:

Up to four credits of any combination of THEA-275, THEA-001-008 and/or TD-001-008 (beyond the required four credits) may be substituted for one of the additional elective courses. Up to eight credits of relevant courses in disciplines such as dance, art, music, English, and modern languages may be included in the major with approval by theater faculty.

4. For potential performers in our productions:

Auditions are required before students may add credit for performance work to their schedules. Therefore, students interested in performing should **not** register for THEA-001-008 [Performance Practicum] or THEA-275 [Performance & Production] until after the audition process. Audition notices will appear early each semester (and sometimes later in a semester if a show is being cast early in preparation for the following semester). All students on campus are encouraged to audition; however, not all students will be cast in a production every semester. Students who are cast in department productions will be given permission to register from the director after the audition process is complete. Students can *then* add the credit of THEA-001-008 and/or THEA-275 to their schedules.

5. Students interested in working on technical aspects of performance:

Register for TD-001-008 [Production Practicum]. No audition is required.

6. Exceeding 16 credits:

Theater students often exceed 16 credits in a given semester due to the 1- and 2-credit courses offered. Please note that a schedule with ≤ 18 credits is not considered an overload. 19 or more credits requires approval from the Registrar.

TYPICAL THEATER MAJOR PROGRAM

Below outlines a typical course sequence for Theater majors in the first and second years. Junior and senior year scheduling is flexible. Students should consult closely with their Theater major adviser to discuss selection and sequencing of courses, study abroad, internships, etc.

Students who express any interest in Theater as a possible major or minor are advised to register for THEA-100 and at least one 100- or 200-level course in their first year. Students should also audition for acting roles and/or register for TD-001-008 one-credit practicum courses. While Introduction to Theater (THEA-100) and a 100- or 200-level course are recommended, note that any theater course counts towards the core and all but 400-level courses may be taken by incoming first-year students.

Please note that not all courses are offered every year. Therefore, students interested in the Theater major or minor are encouraged to talk with faculty members in the Department as early as possible in their career at Ursinus.

FIRST YEAR

Fall

- THEA-100 and/or a 100- or 200-level THEA course
- CIE 100

Spring

- THEA-100 and/or a 100- or 200-level THEA course
- CIE 200

- Foreign Language
- College Core
- 1 credit TD 001-008 or THEA 001-008

- Foreign Language
- TD 150 (2-credit course) + 1 credit TD 001-008
-or- College Core

Advising Notes for First Year

1. Students taking TD-150 (Stagecraft) must also sign up for the required 1-credit of TD-001-008 in the same semester.
2. Students who are cast in department productions will be given permission to register from the director after the audition process is complete. Students can then add the credit of THEA-001-008 to their schedules.

SECOND YEAR

Theater Majors typically complete the following courses in the second year:

- Theater History course being offered that fall (Either THEA-300W or THEA-301W)
- An elective within the major
- At least one-credit of TD-001-008 or THEA-001-008

Theater & Dance

THEATER & DANCE – DANCE

Department Contact

Karen Clemente
kclemente@ursinus.edu
Kaleidoscope 222
Campus extension: x3140

REQUIREMENTS FOR MAJORS

A major in Dance consists of 42–46 credits in dance theory and practice.

- One credit of TD-001–008
- One credit of DANC-001–008
- DANC-100 and TD-150
- DANC-210, 240, and 310
- DANC-300W and 340
- Six credits of dance technique courses of three different genres. (DANC-200, 214, 216, 220, 225, 230, 235, 244, or 250)
- Four elective credits of course work at the 300- or higher level within the dance curriculum.
- Four additional elective credits. These may be fulfilled through additional technique courses, Dance Repertory, special topics, directed studies, or approved courses outside the department.
- One Capstone course (TD-400; DANC-462, or 491–492)

Dance majors can complete the ‘W’ requirement in DANC-300W and the oral presentation and capstone requirements in TD-400; DANC-462 or 491-492.

Requirements for Minors

A minor concentration in dance consists of 20 credits:

- At least 2 semesters of DANC-001–008 or TD-001–008
- DANC-100 and TD-150
- DANC-210
- Four credits of dance technique courses of two different genres. (DANC-200, 214, 216, 220, 225, 230, 235, 244 or 250)
- Four elective credits of course work at the 300- or higher level within the dance curriculum.
- Two additional elective credits within the dance curriculum.

Advising guidelines for students interested in using Dance to fulfill the Art Requirement

Students may take a 4-credit Dance course or two of the 200 level (2-credit) dance courses listed below to fulfill the Core Art Requirement. Depending upon prior experience, any of the department’s dance courses may be taken by a non-major. The dance faculty suggests that the student contact the department for intermediate/advanced courses in order to gain approval prior to enrolling. Courses suggested for students who are interested in taking Dance to fulfill their Arts Core requirement, but who have no prior dance experience are:

- DANC/HS 200 Modern Dance: All Levels (2-credit)
- DANC 210 Improvisation (2-credit)
- DANC 100 Introduction to Dance (4-credit)
- DANC 220 Ballet: All Levels (2-credit)
- DANC 230 Jazz Dance: All Levels (2-credit)
- DANC 214 Hip Hop: All Levels (2-credit)
- DANC 216 African Dance: All Levels (2-credit)

General Advising notes for Students Considering a Dance Major

- There is no audition required to be a dance major; however, auditions are required to be cast in one of the Ursinus College Dance Company our dance productions. Students who are cast in a department production will be given permission to register from the professor of DANC 001 – DANC 008. Prospective dance majors do not need to have prior experience in dance. The Dance major is designed to allow students to focus on performance, choreography, dance scholarship, or all three.
- **A note about 2 credit dance courses.** Please remember that a load of 18 credits is **not** considered a course overload, therefore first-year students may register for four 4-credit courses plus a two-credit dance course. **We routinely find that dance students can handle the additional 2 credits.** An alternate option is to enroll the student in two 200 level courses as the fourth course (total of 16 credits), plus an additional 2 credits (total of 18 credits), especially if a student intends to major or minor in dance.

Please note that if a student's course load is more than 18, they will need approval from the Registrar for an overload.

- **Independent Learning Experience.** Students are encouraged to study abroad in a dance program approved by the department, pursue an off-campus internship, or take coursework in an approved dance program or festival.

TYPICAL DANCE MAJOR PROGRAM

Below outlines a typical course sequence for Dance majors in the first and second years.

FIRST YEAR

Fall

DANC 100
DANC 200-level courses (2-credit courses)
Foreign Language
CIE-100
College Core

Spring

DANC 001-008 Performance Practicum (1-credit course)
DANC 210 (2-credit course)
DANC 200-level courses (2-credit courses)
Foreign Language
CIE-200
College Core

Advising Notes for First-Year

Students who express an interest in Dance as a possible major or minor are advised to register for 6 -10 credits of dance courses during the fall of the first year. Please Note: for Intermediate/Advanced level dance courses, students will need to secure the permission of the instructor/dance program director.

SECOND YEAR

Fall

DANC 100 (4-credit course)
DANC 200 level courses (2-credit courses)
DANC 240 (2-credit course)
DANC 310 level course (4-credit course)
Core/Elective

Spring

TD 150 (2-credit course) + 1 credit TD 001-008
DANC 200 level courses (2-credit courses)
DANC 315 (4-credit course)
DANC 340 (4-credit course)
Core/elective

RESOURCES

Visualize Your Schedule

Semester Planning

Academic Calendar

GPA Calculator

Career Action Plan

Forms & Procedures

Guide for Student Concerns

Guide for Student Info

Visualize Your Schedule

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Alternative Courses
8:00 AM						
9:00 AM						
10:00 AM						
11:00 AM						
12:00 PM						
1:00 PM						
2:00 PM						
3:00 PM						
4:00 PM						
5:00 PM						
6:00 PM						
Evening Hours						

SEMESTER PLANNER – FALL 2024

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Aug 19-25	Quest Kickoff move-in Quest Kickoff	Quest Kickoff	Quest Kickoff	Quest Kickoff First-year check-in	Ursinus Day Academic Convocation		Upper Classes check-in
Aug 26 – Sep 1	Fall semester classes begin						
Sep 2 – 8					Last day to add classes		
Sep 9 – 15							
Sep 16-22							
Sep 23-29							
Sep 30- Oct 6							
Oct 7-13					Mid- semester grades due	Fall Break	Fall Break
Oct 14-20	Fall Break	Fall Break	Fall Break	Classes resume			
Oct 21-27							
Oct 28- Nov 3							
Nov 4-10		Spring term registration begins					
Nov 11-17							
Nov 18-24	Last day to drop with “W”	Spring term registration ends					
Nov 25- Dec 1	Classes resume		Thanksgiving Break	Thanksgiving Break	Thanksgiving Break	Thanksgiving Break	Thanksgiving Break
Dec 2-8							
Dec 9-15	Last day of classes; Last day to drop	Reading Day	Final Exams begin				
Dec 11-17		Last day of Final Exams					

SEMESTER PLANNER – SPRING 2025

	Mon	Tue	Wed	Thu	Fri	Sat	Sun
Jan 20-26	College closed for MLK Day	Residence halls open at noon	Spring semester classes begin				
Jan 27- Feb 2							
Feb 3-9		Last day to add classes					
Feb 10-16							
Feb 17-23							
Feb 24-Mar 2							
Mar 3-9					Mid-semester grades due	Spring break	Spring break
Mar 10-16	Spring break	Spring break	Spring break	Spring break	Spring break	Spring break	Spring break
Mar 17-23	Classes resume						
Mar 24-30							
Mar 31 – Apr 6							
Apr 7-13		Fall semester registration begins					
Apr 14-20				Last day to drop with a “W”	Fall semester registration ends		
Apr 21-27			CoSA				
Apr 28-May 4							
May 5-11			Last day of classes; Last day to drop	Reading day	Final exams begin		
May 12-18				Last day of finals; Residence halls close	Baccalaureate (Evening)	Commencement	

Academic Calendar 2024-2025

FALL 2024

August 19 M Quest Kick-Off move-in (morning)
August 19-22 M-Th Quest Kick-Off
August 22 Th First-Year Check-In
August 23 F Convocation
August 25 Su Upper Classes Check-in
August 26 M Semester Begins
September 2 M Labor Day
(In session)
September 6 F Last day to add classes
September 6 F Last day for S/S-/U Choice
October 11 F Mid-semester grades due; Fall Break begins (after classes)
October 12-16 S-W Fall Break
October 17 Th Classes Resume
November 5 T Spring term Online registration begins
November 19 T Spring term Online registration ends
November 19 T Last day to drop with "W"
November 27 – December 1 W-Su Thanksgiving Break
December 2 M Classes Resume
December 9 M Last Day of Classes (Wednesday); Last Day to Drop
December 10 T Reading Day
December 11-14, 16 - 17 W-S; M-Tu Final Exams
December 17 Tu Residence Halls close at 5 p.m.

SPRING 2025

January 20 M College closed for Martin Luther King Jr. Day
January 21 T Residence halls open at noon
January 22 W Spring semester begins
February 4 T Last day to add classes
February 4 T Last day for S/S-/U Choice
March 7 F Mid-semester grades due; Spring Break begins (after classes)
March 8-16 S-Su Spring Break
March 17 M Classes resume
April 8 T Fall term Online registration begins
April 18 F Fall term Online registration ends
April 18 F Last day to drop with "W"
April 23 W COSA
May 7 W Last day of classes; Last day to drop
May 8 Th Reading Day
May 9-10 F-S Final Exams
May 12 – 15 M-Th Final Exams
May 15 Th Residence Halls close for non-graduating students at 8 p.m.
May 16 F Baccalaureate (Evening)
May 17 S Commencement

Calculating a Grade Point Average

Understanding how Ursinus College Grade Point Averages (GPA) are calculated and being skillful at calculating one's GPA are crucial knowledge and skill for all students. The following worksheet will help you to learn this skill so you may begin using frequent GPA calculations to track your progress toward your academic goals. Grades are assigned the following numerical values:

Letter Grade	Grade Equivalent
A+, A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00

The semester GPA is calculated by multiplying the grade numerical value for each course by the number of credit hours each course is worth. These totals are added together and the sum is divided by the total number of semester credit hours. For example:

Course	Credit Hours		Grade	Grade equivalent		Grade Points
CIE	4	X	C	2.0	=	8.0
SPAN 111	4	X	B+	3.33	=	13.32
PSYCH 100	4	X	C-	1.67	=	6.68
MATH 241	4	X	A	4.0	=	16.0
ESS 240	2	X	B	3.0		6.0
Total	18					50

Semester GPA: 50/18 = 2.77

Please note:

- Only grades earned at Ursinus are used in calculating GPA. Transfer credits are applied toward graduation requirements, but the grades are not calculated in the GPA.
- Pass/Fail courses (e.g., 1-credit Meistersingers course): If you pass the course, the P does not factor into your GPA. However, if you fail the course, the 1-credit F (0.00) will factor into your GPA.

Calculating a target GPA

1.

$$\frac{\text{Target CUM GPA at end of current semester}}{\text{Total GPA Hours + Current enrolled hours}} \times = \text{Needed Grade Points for target CUM GPA}$$

2.

$$\frac{\text{Needed Grade Points for target CUM GPA (see 1.)}}{\text{Cumulative Grade Points earned}} - = \text{Grade points needed to achieve target GPA}$$

3.

$$\frac{\text{Grade points needed to achieve target GPA (see 2.)}}{\text{Current enrolled hours}} \div = \text{Minimum Semester GPA required to attain desired CUM GPA}$$

4 YEAR CAREER ACTION PLAN

START HERE – START EARLY – START NOW

1st Year FIRST YEAR

Identify your skills, interests, and values

- Meet with a Career Advisor to explore majors, build a resume and consider career options
- Log on to Handshake and complete your profile so employers can contact you
- Find resume templates and career and graduate school information on the CPD website
- Complete a self-assessment quiz on FOCUS 2 to identify career profiles of interest
- Create a LinkedIn profile and make connections
- Join clubs, organizations and participate in community service activities

3rd Year JUNIOR YEAR

Gain knowledge and experience.

- Discuss your career plans with a Career Advisor to make sure you are on the right track
- Decide if graduate or professional school is the next step to reaching your career goals. Meet with a Career Advisor and with faculty in your field to explore options for graduate and professional study. Prepare for grad school entrance exams (GRE, MCAT, LSAT, GMAT, etc.)
- Find job shadowing and mentorship opportunities through the Extern program
- Update your resume. Emphasize new skills developed in the classroom, volunteer work, and student organizations and upload your refined resume on Handshake
- Learn about job search strategies for your field of interest and develop a plan. *Jobs are posted as early as July - start your search in the summer*
- Complete at least one internship to gain experience, build your resume, and gain a competitive edge
- Attend the Job, Internship and Networking Fair

2nd Year SOPHOMORE YEAR

Begin the career exploration process

- Meet with your Career Advisor to begin developing a career plan
- In August, prepare your resume (use the Resume Guide on the CPD website), upload on Handshake and search for meaningful summer experiences. *Most internships are posted in September*
- Apply for the Extern Program for job shadowing
- Attend the Job, Internship and Networking Fair
- Research academic fellowships and scholarships and opportunities for scholarly research
- Join a student organization and test out your leadership skills by chairing a committee or running for office
- Join professional organizations relevant to your field of interest

4th Year SENIOR YEAR

Begin the job search process/apply to graduate schools

- Meet with a Career Advisor in the fall to develop a job search or grad school plan
 - Be positive, patient and persistent- the average job search takes about six months
 - Attend CPD workshops that assist you with the transition to life after Ursinus
 - Attend the Job, Internship and Networking Fair
 - Check Handshake and other online tools in your job search regularly
 - Tailor your resume and cover letters to each full-time position for which you apply
 - Use LinkedIn and your personal network to identify opportunities
- Send thank-you notes to employers with whom you interview

Forms & Procedures

	FORM	COMMENTS
COURSE OF STUDY		
Declaration of Major	Declaration of Major	First-Year Adviser signature required. Students typically declare a major in spring of the first year, but no later than spring of sophomore year.
Declaration of a second Major	Declaration of Major or Major Change	Adviser's signature required. Students may declare a second major at the same time they declare the first major. If they decide to add a second major later, they may do so using the Major Change form.
Change of Major	Major Change	Requires the signature of both the current adviser and an adviser in the new major.
Student Initiated Majors	No form	The student works with faculty in relevant departments to develop a proposal. Proposals are submitted to the Dean's Office for review and approval.
Declaration of Minor	Declaration of Minor	The student completes the form any time after the student has declared a major and submits the form to the Registrar's Office. Signature of the student is required.
Verification of Minor	Verification of Minor	The student meets with the department chair of the minor department to review required courses for the minor. Signatures of the minor department chair and major adviser are required. Form should be submitted during the semester in which the last course is being completed for the minor.
COURSE RELATED		
Drop/Add (through the first 2 weeks of the semester)	Drop/Add Form	<p>Prior to the start of the semester</p> <ul style="list-style-type: none"> - Section changes are made by the Registrar – no signatures required - Course changes require an adviser's approval and signature <p>After the start of the semester</p> <ul style="list-style-type: none"> - All changes require the adviser's signature and initials from the instructor in the classes that are being added & dropped.
Drop a course with a (W) (See the Academic Calendar for this date each semester)	Drop/Add Form	<p>Prior to the last day to drop with a W</p> <ul style="list-style-type: none"> - Student obtains a signature from his/her adviser and initials from the instructor for the class being dropped. <p>After the last day to drop with a W, students are awarded a WF for any course dropped.</p>
Course Overload	No form	Overloads are not typically approved for first-year students. For upper class students, approval for an overload is required when a student intends to register for more than 18 credits. Signatures are required from both the student's adviser and the Registrar. Requests can be made using the Course Registration Form or the Add/Drop Form.
Permission to study elsewhere (e.g., summer class)	Request for Permission to Study Elsewhere	See the form for detailed instructions. The adviser's signature and Registrar approval are required. In some instances, a Department Chair's approval is also required.
Request for an Incomplete in a course	Permission for "I" (Incomplete)	Student works with the instructor to develop a plan for completing the course work. Dean's Office approval is required. Work is to be completed within one month of the end of the semester.
CHANGE OF STATUS		
Requests for the following: Leave of Absence, Medical Leave of Absence, Transfer, Withdrawal, Return to Active Status	Online forms	Contact the Institute for Student Success 610-409-3400 instituteforstudentsuccess@ursinus.edu



Ursinus College Guide for Student Concerns

<i>Situation</i>	<i>Refer To</i>	<i>Situation</i>	<i>Refer To</i>
<i>Early alerts or academic probation</i>	Faculty Advisor or Institute for Student Success instituteforstudentsuccess@ursinus.edu 610-409-3400	<i>I.D. card – lost or not working properly</i>	Campus Safety (Check here first for lost cards) 610-409-3333 or Technology Support 610-409-3789
<i>College Code of Conduct violations</i>	Campus Safety 610-409-3333	<i>Life-threatening situations or imminent threats</i>	911 or Campus Safety 610-409-3333
<i>Concerns about staff members</i>	Human Resources hr@ursinus.edu Corson Hall – Lower Level	<i>Lost & Found</i>	Campus Safety 610-409-3333
<i>Room repairs, damages or concerns</i>	Facilities Services 610-409-3598 or Campus Safety 610-409-3333 (after regular business hours)	<i>Key Replacement</i>	Facilities Services 610-409-3598
<i>Disability support</i>	Office of Disability & Access disabilityandaccess@ursinus.edu	<i>Medical leave, leave of absence, withdrawal, or transfer</i>	Institute for Student Success instituteforstudentsuccess@ursinus.edu 610-409-3400
<i>Discrimination complaint based on religion, race, age, disability, or sexual orientation.</i>	Human Resources hr@ursinus.edu Corson Hall – Lower Level or Campus Safety CampusSafety@ursinus.edu 610-409-3333	<i>Notification of class absence for more than a week due to sickness or family emergency</i>	Institute for Student Success instituteforstudentsuccess@ursinus.edu 610-409-3400
<i>Drop or add a class</i>	Academic Adviser	<i>Parking</i>	Campus Safety parking@ursinus.edu 610-409-3333
<i>Emotional distress, physical illness, suicidal ideation</i>	Emergency – 911 or Wellness Center (during business hours) wellness@ursinus.edu 610-409-3100 or Campus Safety (after business hours) 610-409-3333	<i>Sexual misconduct complaint</i>	Crisis Response Team (24 Hours) 610-409-3344 or Campus Safety (24 hours) 610 409-3333 or Interim Title IX Coordinator Dan Kelly dkelly@ursinus.edu
<i>Grade appeals or issues with instructors</i>	Department Chair or Academic Affairs deansoffice@ursinus.edu 610-409-3790	<i>Student suspected of being missing</i>	Campus Safety 610-409-3333



Ursinus College Guide for Student Information

<u>Topic</u>	<u>Refer To</u>	<u>Topic</u>	<u>Refer To</u>
Campus Jobs	Human Resources hr@ursinus.edu Corson Hall – Lower Level	Mail & Package Services	Facilities Services – Mail Room mailcenter@ursinus.edu 610-409-3483
Career opportunities and internships	Career & Professional Development Office career@ursinus.edu 610-409-3599	Meal Plans	Dining Services http://foodservices.ursinus.edu/index.html 610-409-3602
Choosing a major	Faculty Advisor or Career & Professional Development Office career@ursinus.edu 610-409-3599 or Institute for Student Success instituteforstudentsuccess@ursinus.edu 610-409-3400	On or off-campus living assistance	Resident Advisor or Assistant Director of Residence Life Residence Life residencelife@ursinus.edu 610-409-3590
Community Service and Civic Engagement	Ursinus Center for Advocacy, Responsibility, and Engagement (UCARE) ucare@ursinus.edu 610-409-3093	Religious or spiritual support	Division of Inclusion & Community Engagement (DICE) inclusionandcommunity@ursinus.edu
Diversity Programs	Institute for Inclusion & Equity instituteforinclusionandequity@ursinus.edu 610-409-3653	Reserving residence hall lounges	Residence Life residencelife@ursinus.edu 610-409-3590
Greek Life	Student Engagement studentengagement@ursinus.edu 610-409-3608	Scholarships and fellowships	Career & Professional Development Office 610-409-3599
International student programs	Center for International Programs abroad@ursinus.edu 610-409-3749	Student Account advice	Office of Student Financial Assistance finaid@ursinus.edu 610-409-3600
Intramural Sports	UC Intramurals UCintramurals@ursinus.edu	Student Clubs & Organizations	Student Engagement studentengagement@ursinus.edu 610-409-3608
LGBTQA student programs	Radiance radiance@ursinus.edu 610-409-3719	Study Abroad	Center for International Programs abroad@ursinus.edu 610-409-3749