

A photograph of a brick building with large windows. The name 'STRATTON HALL' is written in white capital letters on a dark red brick band above a window. In the foreground, several vibrant pink peonies are in bloom, with green leaves and a single bud. The scene is brightly lit, suggesting a sunny day.

STRATTON HALL



Wells College

# COURSE CATALOG

2018-2019

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**NOTE:**

The information in this printed edition of the 2018–2019 Wells College Course Catalog was accurate and verified as of January 2, 2019.

To see the most up-to-date version of this information online, please visit: [wells.edu/catalog](https://wells.edu/catalog)

To report any errors or omissions, please contact us at [communications@wells.edu](mailto:communications@wells.edu).

*Wells College is approved by the New York State Education Department for the training of veterans and other eligible persons. Wells College is accredited by the Middle States Commission on Higher Education, 3624 Market Street, Philadelphia, PA 19104.*

*Wells College welcomes students of every origin to all the privileges, programs, and activities available to every Wells student. Wells College does not discriminate on the basis of race, sex, color, creed, age, marital status, sexual orientation, disability, national or ethnic origin in administration of its educational policies, admissions policies, scholarship and loan programs, athletic programs, employment or other College administered programs. Inquiries may be directed to the Title IX and Section 504 Coordinator, Kit Van Orman at 315.364.3317 or kit@wells.edu.*

*Wells College reserves the right to add, delete or change, in their entirety or in part, policies, programs, curricular structures, courses, requirements, regulations, rules and/or fees noted in this catalog at any time. Changes shall become effective whenever the proper authorities so determine and will, unless expressly noted to the contrary, apply not only to prospective students but also to those who at that time are matriculated in the College. The College also reserves the right to publish this catalog in an electronic version and to make changes to the electronic version that take precedence over this print copy.*

# Mission, Community Standards, and Student Life



## WELLS COLLEGE MISSION STATEMENT

The mission of Wells College is to educate students to think critically, reason wisely, and act humanely as they cultivate meaningful lives. Through Wells' academic program, residential atmosphere, and community activities, students learn and practice the ideals of the liberal arts. The Wells experience prepares students to appreciate complexity and difference, to embrace new ways of knowing, to be creative, and to respond ethically to the interdependent worlds to which they belong. Committed to excellence in all areas of its reach, Wells College equips students for lifelong learning and for sharing the privileges of education with others.

To fulfill this mission, Wells College has instituted institutional and program goals (see p. 9).

## COMMUNITY STANDARDS STATEMENT

Wells College strives to become a diverse and inclusive community where individuals live, work, teach and learn with a goal of promoting and maintaining an atmosphere of respect. Membership is a privilege that requires all individuals to treat others humanely, and with mutual understanding and tolerance. Wells College fosters an environment in which free speech, openness, acceptance, and inclusion—even of those ideas or beliefs that may be controversial—are appreciated and considered in their appropriate settings.

Discrimination on the basis of (but not limited to) race, color, religion, ethnic or national origin, sex, age, varying physical or mental abilities, sexual orientation, gender identity, or political beliefs will not be tolerated. Verbally or physically abusive or harassing behavior that makes the College atmosphere intimidating, hostile, or threatening is unacceptable. All community members are subject to the laws that govern the rest of society.

Information about the implementation of the Community Standards Statement in the classroom, workplace and residence halls, as well as responding to violations of the Community Standards Statement, can be found in the *Community Handbook*.

## STUDENT LIFE

Investment in the Wells College community requires courteous regard for self and others through words, actions, behaviors and choices. In accordance with the Wells College Mission, Community Standards Statement and Honor Code, the Division of Academic and Student Life aspires to cultivate a socially responsible community comprising knowledgeable students of integrity. Staff partner with students to design policies, programs, practices and opportunities to assist students in developing life skills, perspective, civility, competence, compassion, responsibility and vision for citizenship in an intercultural society. In addition, staff members in academic and student life strive to embody a collaborative, cooperative and sustainable team approach that expects personal and interoffice accountability.

The students of Wells College are impressively diverse in their academic interests, their choices of lifestyles, their co-curricular pursuits, and their political and religious concerns. They share, however, a high regard for student independence, responsibility, and self-governance. With the support of the faculty, administration, and board of trustees, the student body, under the leadership of the Collegiate Cabinet and the guidance of the dean of students, is responsible for creating policies and programs that benefit all Wells students.

## HONOR CODE

Community Honor shall be the basis of student government at Wells College. The principle of community honor is based upon the pledge of all members of the student body to be honest and trustworthy in the conduct of their collegiate life as it is defined or encompassed by Collegiate rules. Wells College students are under community obligation and pledge not to lie, cheat, steal, deceive or conceal in the conduct of their collegiate life.

# Experiential Learning



## EXPERIENTIAL LEARNING

### OFF-CAMPUS STUDY

Wells has both domestic and international off-campus study options available. Most Wells students participate in either the Wells College program (Wells in Florence) or an approved program. Wells in Florence is administered by Wells College and enrolls both Wells- and non-Wells-matriculated students. About 20 additional approved programs are available to Wells students, but Wells does not run these other programs on its own and instead helps students to access the educational offerings of an institution abroad or a program provider who offers courses abroad or elsewhere in the United States.

A student who studies off campus is expected to maintain satisfactory academic standards. Grades earned on a Wells College program or on an approved program appear on a student's Wells transcript and are included in the Wells grade point average. If enrolled in a non-approved program the student is responsible for the submission of official transcripts to the registrar of Wells College; courses are treated at Wells as transfer work (minimum grade of C- required) and are subject to approval.

While acceptance into a program is dependent upon the specific program to which you apply, Wells College has some general regulations for approval to study off campus that must be met by all students. These include:

- A minimum cumulative GPA of 2.8.
- As a general rule students must complete at least one year in residence (on campus) at Wells College. Students transferring in with fewer than 60 credit hours must complete two consecutive semesters at Wells College before studying off-campus. Students transferring in with 60 or more credit hours must complete one semester at Wells College and must receive written approval from their academic advisor, the Director of International Programs, and the Dean of Students before studying off campus.
- Student must be in good academic and behavioral standing at Wells.
- Student's financial account must be under \$1000 or if the student is on the payment plan, the account must be current.
- Enrollment in or completion of OCS 271 and OCS 272: Cross-Cultural Preparation and Cross-Cultural Reflection (if you are studying abroad).
- All students must return to Wells for at least one semester after studying off campus.

### Wells College Programs and Approved Programs

Students participating in Wells College or approved off-campus study programs pay Wells College tuition, room, board, and fees. Students receive their institutional aid for one semester when studying on a Wells College or approved program; should a student choose to study abroad for more than one semester on a Wells College or an approved program, the student will be charged Wells College tuition, room, board, and fees, but institutional aid will not be available. Wells will cover the cost of tuition, room, and board on the Wells College or approved program. If program fees exceed the cost of tuition, room, and board at Wells, students will be billed for the cost difference.

### Non-approved Programs

If the Wells College or approved programs do not fit your academic or cultural objectives, you may apply to study on a non-approved program. Students applying to a non-approved program must meet the same eligibility requirements and general regulations for approval as students on a Wells College or an approved program. Your institutional aid will not be available and you must withdraw from the College for the semester. Students participating in non-approved programs must pay the College an administrative fee of \$150. Please note that credits earned on a non-approved program will be treated as transfer credit. This means the credits only, not the grades, will transfer and that only courses in which grades of C- or better are earned will transfer. Students may not be approved for a non-approved program if Wells offers a Wells College or an approved program with similar learning objectives. Students exploring non-approved programs should speak with the Director of International Programs before applying to any program.

## **Intersession Off-Campus Study**

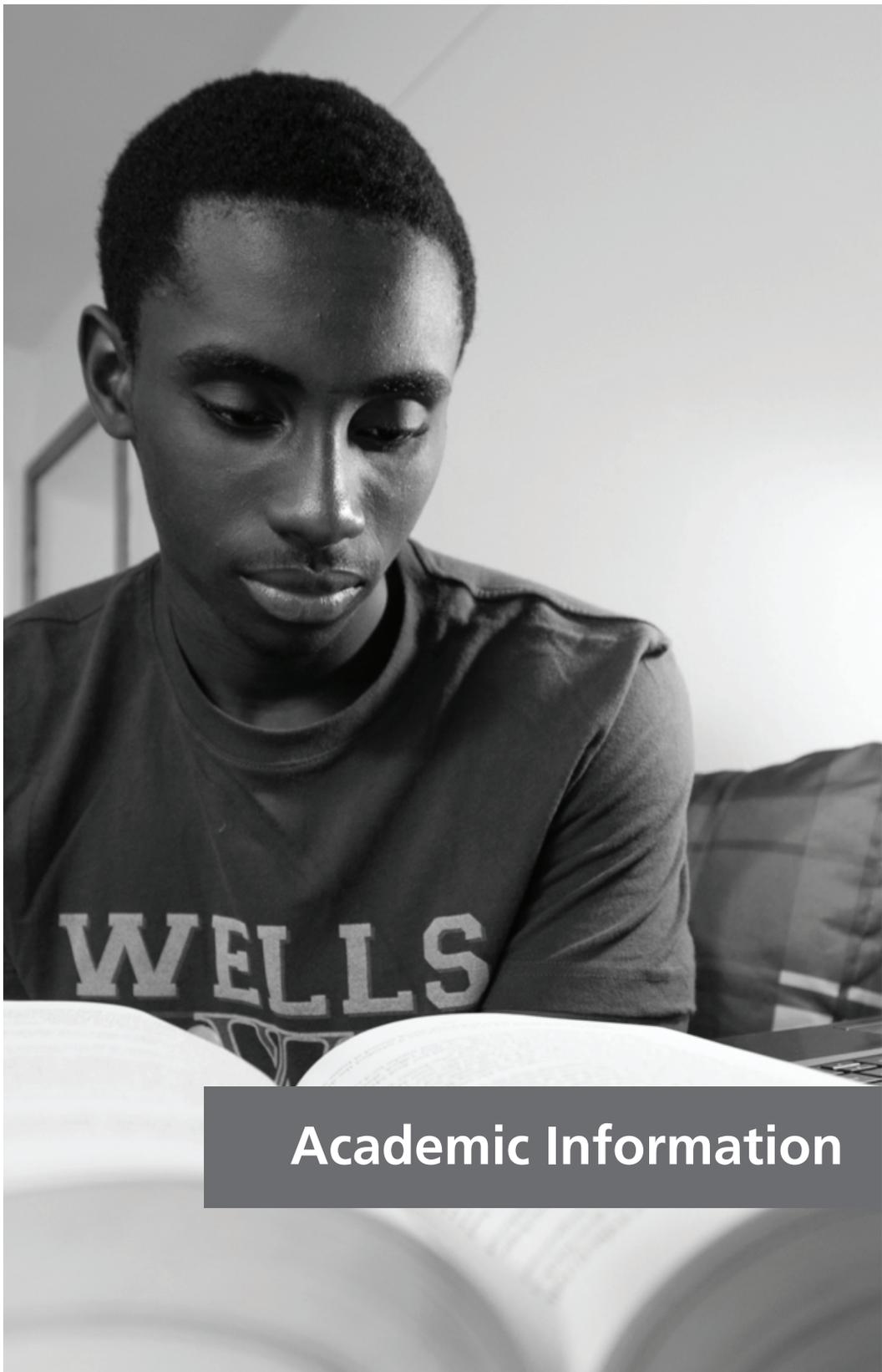
Students may also study off campus over January during intersession through faculty-led courses. These short courses introduce students to areas of interest both aligned with and outside the faculty's normal course offerings. The topics, which change annually, have included genealogy research in Salt Lake City taught by a professor of chemistry, anthropology studies in Hawaii taught by a professor of anthropology, tutoring on a Navajo reservation led by a professor of education, and study of theatre in London led by a professor of theatre.

## **INTERNSHIPS**

One of Wells' most successful and popular ways to meet the experiential learning requirement is through the internship program. Almost every Wells student will complete at least one internship during their years at Wells; many will complete more than one. Students may elect to participate in credit-bearing internships with individuals, organizations, or businesses. A student plans an internship by working closely with a faculty sponsor, the academic and career advising staff, and an on-site sponsor who supervises and evaluates the on-site work. In many cases, Wells alumni help to arrange internships and act as sponsors. Internships may take place during January intersession, a semester, or summer. For each semester hour of credit, a student must work 40 hours. For students to earn academic credit for the internship, they must complete all necessary paperwork to register for the appropriate course. Students work with their faculty sponsors and on-site supervisors to develop learning contracts. The contracts as well as the internship agreement forms must be submitted to the Center for Academic and Career Advising prior to registration ([wells.edu/advising](http://wells.edu/advising)). Deadlines are posted in the Center for Academic and Career Advising and on the Globe ([global.wells.edu](http://global.wells.edu)).

### **Internships for First-Year Students**

From the moment they arrive on campus, Wells students are encouraged to explore career options. First-year students can complete internships during January Intersession through either discipline-based internships or the course WLLS 190 that allows students to explore their interests through individually-arranged field experiences.



**Academic Information**

## ACADEMIC INFORMATION

### The Purpose of a Wells Education

*"To think critically, to reason wisely, and act humanely..."*

### Institutional and Academic Program Goals

#### Student Learning Goals

At Wells, the development of each individual student is supported through an exploration of how to understand the world in intellectual and personal pursuits and how to apply that knowledge in an interconnected and ever-changing world. The breadth of a liberal arts foundation, depth of focused knowledge, and a developed skill set prepare students for their futures.

#### Content

1. Breadth of knowledge: Understanding the physical world, cultures, individuals, personal health and well being
2. Depth in field: Developing expertise in a chosen major field
3. Career preparation: Acquiring substantive and professional competence

#### Essential Skills

1. Fundamental literacies
  - The ability to read critically across the disciplines
  - The ability to employ effectively oral, written and expressive communications
  - The ability to identify and evaluate relevant information
2. Critical thinking and application
  - The ability to use reasoning and evaluative skills in distinctive modes of inquiry and analysis
3. Ethical decision making
  - The ability to reason wisely and act humanely
4. Creativity
  - The ability to transcend established understandings to discover something new
5. Metacognitive
  - The ability to use self-reflective skills to understand what one knows, how one learns, and how to use resources effectively and to seek help
6. Skills and beliefs to navigate living and working in community
  - The ability to engage in problem solving and to work in a team environment
  - The ability to manage time effectively and to possess a positive work ethic
  - The ability to offer and accept constructive criticism, to possess self-confidence, be flexible, adapt quickly and work well under pressure

#### When Students Graduate

They leave as being lifelong learners with the ability and initiative to create, share, and apply knowledge prepared for the life ahead of them. They are aware of the responsibility they have to themselves and others to share the privilege of their education. With a communal consciousness, they are motivated to make a difference and improve the world around them. They understand the past and the present in order to envision the future.

#### Institutional Responsibilities

In order for students to achieve the above learning goals, Wells College will:

1. Provide a student-centered learning environment
  - Curricular and co-curricular offerings that provide solid fundamentals to help students forge their educational paths preparing them for their careers and responsible citizenship
  - Hands-on opportunities that expand learning beyond the classroom and beyond Wells
  - Learning resources and services to facilitate students' achievement
  - A personalized education achieved through advising and mentoring in which students discover their capabilities and they become accountable for themselves, their education, and for their future as individuals and citizens
  - An environment for students that not only allows mistakes but supports risk taking as an essential element to learning

2. Provide a talented faculty and staff who create community, practice inclusiveness, and hold students and themselves to high standards
3. Maintain an infrastructure for the College that supports the learning environment both in and out of the classroom in terms of its facilities and technologies and managing the College's resources prioritizing teaching and learning
4. Have clear policies and user-friendly procedures that meet the needs of the campus community
5. Provide a safe, congenial environment for all of its members

#### Institutional Core Values

As an institution of higher education, Wells College values:

1. Learning founded on challenging and intellectual inquiry, requiring active student engagement, done with honor, and resulting in a transformative experience
2. Continuing emotional, intellectual, and social development which involves self-reflection and continual adaptation
3. Community and the relationships and social interactions built in community
4. An awareness and sensitivity to differences that encourages open-mindedness and responsible action
5. Creativity
6. People as unique individuals

## **BACHELOR'S DEGREE**

Wells College has an integrative liberal arts curriculum designed to prepare students for the leadership roles they will assume in all areas of life. The academic program includes a core curriculum plus majors that integrate related disciplines.

## **CORE REQUIREMENTS**

The College's core curriculum has the following three components: **Foundations**, which develops essential building blocks of a high-quality liberal arts and sciences education; **Perspectives**, through which the student is immersed in a diverse world of learning and scholarship across the liberal arts and sciences; and **Connections**, whereby the student takes advantage of programs and resources that promote rigorous scholarship, healthy lifestyles, financial well-being and career preparation. Taken together with the entirety of the Wells experience, fulfillment of the proposed core curriculum ensures that every Wells student has the opportunity to explore breadth in the liberal arts and sciences while developing the skills for successful professional development, rewarding social engagement and effective lifelong learning.

**Note:** Students should carefully plan when they will complete all requirements for their degree. An up-to-date list of courses that fulfill the college requirements can be found on the Registrar's page on the Globe. Students who delay completion of college requirements until their senior year risk taking longer than the expected years in residence at Wells to complete their degree. The Registrar will evaluate transfer students' files on case by case basis in order to determine remaining college requirements. Students have access to track their progress on the Globe.

### **Core Curriculum**

#### **I. Foundations**

##### **(1) WLLS 100: Wellness, Engagement, and Lifelong Learning for Success**

This course introduces students to learning and living at Wells College. (first year, fall semester)

##### **(2) WLLS 105: College Writing**

This course covers the fundamentals of college-level writing. (first year, either fall or spring semester)

#### **II. Perspectives**

A maximum of six (6) credits in any one discipline may be counted for the Perspectives component of the general education curriculum. A course can fulfill only one component of the general education curriculum.

##### **(3) Creative Expression**

Students will explore and develop various forms of creative expression. Could be met by one 3-credit semester hour course or a combination of courses, to total 3 semester hours.

##### **(4) Enduring Questions of Human Nature**

Students will explore what it means to be human, be it from ancient to contemporary times or through various types of representations of the human experience.

**(5) Social Systems**

Students will explore the interactions within and between individuals, groups, institutions and the environment.

**(6) Inclusion and Justice**

Students will explore equality, access and inclusiveness.

**(7) Quantitative Reasoning**

Students will explore mathematical concepts and skills.

**(8) Natural Sciences**

Students will explore one of the natural sciences via a course that includes a laboratory.

**(9) Languages and Cultures**

Students will develop a cultural appreciation and familiarity with a language other than English.

**III. Connections****(10) Experiential Learning**

Students will apply course-based learning to situations outside the classroom. Two experiential learning experiences are required, one of which must be off campus.

**(11) Skills for Lifelong Learning**

Students will develop skills for learning outside the classroom and beyond their Wells College experience. Two courses are required.

**(12) Mind-Body Wellness**

Students will develop bodily-kinesthetic intelligence. Students will choose four (4) courses, two of which must be activity-based, from the following: PE courses, certain dance courses, courses on nutrition, holistic health, or healthy lifestyles (possibly including drug/alcohol abuse awareness).

**(13) Financial Wellness**

Students will build skills to develop the ability to make informed financial decisions. All students will take WLLS 110: Personal Financial Management.

**Course Requirements and Semester Hour Limitations**

1. Students must successfully complete a minimum of 120 semester hours of college level credit.
2. At least 60 semester hours must be taken on campus at Wells College or in Wells College approved programs. While students may take more than 20 semester hours in Wells off-campus programs, no more than 20 semester hours will be counted toward the 60 semester hour requirement.
3. At least 6 courses (3-4 semester hours each) in a major must be taken at Wells College or through an approved program. For students declaring a minor, at least 4 courses (3-4 semester hours each) in that minor must be taken at Wells College.
4. Students, whether first-year or transfer, are expected to satisfy College requirements, the requirements of the major, and the requirements of any minor as stated in the catalog in effect at the time of first matriculation at Wells College. Students who cease to attend the College for two years or more will be expected to meet the requirements as stated in the catalog in effect at the time of return.
5. For the degree of Bachelor of Arts no more than 45 semester hours in any one discipline shall be included in the 120 semester hours required for the degree. For the degree of Bachelor of Science no more than 55 semester hours in any one discipline shall be included in the 120 semester hours required for the degree.
6. Students shall maintain a minimum Grade Point Average of 2.0 for all Wells and Wells-approved courses.
7. Students may earn no more than 4 semester hours of credit during any given January Intersession and no more than 8 semester hours during the summer.
8. No more than six semester hours of courses graded "S/U" may be used toward the major.
9. A student may not elect a double concentration within a major.
10. There is a limit of eight semester hours of credit toward the minimum 120 semester hours of credit required for graduation for courses that bear fewer than three semester hours of credit in the following two categories: physical education courses, and arts and performance courses (except those taken to meet requirements toward the major or minor).
11. There is a maximum of 12 semester hours of credit for internships and 12 semester hours of credit for independent study counts toward the 120 required for graduation.

12. There is a maximum of 8 semester hours of credit for tutorials counts toward the 120 required for graduation.

\*\*\*Semester hours in excess of the above stated limits will require the same number of semester hours in excess of 120 in order to graduate.

## GENERAL REQUIREMENTS

In order to be recommended by the faculty for the Bachelor's Degree, a student must successfully: 1) complete a minimum of 120 semester hours; 2) complete two years in residence at Wells, including their senior year (60 semester hours, which may include up to 20 semester hours in Wells College approved programs; 3) complete the College requirements, including those for the major; 4) maintain a minimum cumulative GPA of 2.0 and a minimum GPA of 2.0 for courses taken for the major.

### Degree Expected

Except for students in 3/2 or 3/4 articulation programs, students with senior standing may participate in Commencement activities "degree expected" if all requirements for the major and at least 114 semester hours will have been completed. Such students are expected to complete the remaining work by the end of the calendar year. Students in a 3/2 or 3/4 articulation program are expected to follow the terms of the program and may participate in Commencement activities when the work at Wells is completed. The Registrar determines eligibility to participate in Commencement activities with "degree expected" status.

### The Major

Each Wells student must elect a major to assure exploration of an area of interest in-depth, and to develop the knowledge and skills involved in the mastery of a field. If a student's educational goals are better met by developing an individualized major than by electing an established major, the student may, with the advice of the faculty advisor and other appropriate faculty members, develop an individualized major.

No major for the Bachelor of Arts will require more than 65 semester hours. No major for the Bachelor of Science will require more than 75 semester hours. A student may not elect a double concentration within a major.

### Double Major

If students feel their plans necessitate a double major or double degree rather than a major and a minor, they must file a double major/double degree proposal form with the registrar. This proposal must indicate how the student's proposed plan of study meets the College's goals for a sound liberal arts program, including courses that satisfy the Core Requirements. The proposal must be approved by an advisor from each major. Students must have a cumulative grade point average of at least 3.0 at the time of the proposal. Final approval rests with the Academic Standing, Advising, and Admissions Committee.

### GPA Requirement

To be eligible for graduation, a student must have earned a GPA of at least 2.0 in the work in the major.

### The Minor

Although minors are not required, a student desiring a minor shall declare it on a Declaration of Minor form, available in the Registrar's Office or online, no later than the last day of classes of the first semester of the senior year. The declaration must be approved by the student's major advisor and the faculty coordinator for the minor. Requirements of the minors can be found in the "Academic Programs" section of the catalog (see page 29). In order to have a minor noted on the transcript, a student must earn an overall GPA of 2.0 or better in courses used for the minor. No more than 50% of the semester hours to be applied to the minor may also be applied to the major. A minimum of 50% of the courses must be unique to each minor. A minimum of four courses (12 semester hours) must be taken at Wells College or in an approved program to complete a minor. No more than four semester hours graded "S/U" may be used toward the minor. Wells does not offer individualized minors.

## PRE-PROFESSIONAL PROGRAMS

Students having a particular professional goal that they wish to pursue during their years at Wells can take advantage of a number of programs (described below) that offer the possibility of challenging future careers; some will give the student professional certification; others will lead to a second degree in addition to the Wells degree.

**Pre-law**

Wells College is a member of the Northeast Association of Pre-law Advisors and offers counseling to students who wish to pursue the graduate study of law. The pre-law advisors assist students in planning their undergraduate programs, preparing for the LSAT, and completing law school applications. Students intending to prepare for law school may begin working with the advisors in their first year. Special programs held on campus will introduce students to representatives from law schools and to Wells College alumnae/i who have completed law school. Wells College also participates in Law School Day at Cornell University each fall.

The preparation for law school at Wells is based upon the Association of Law Schools' recommendation that a broad liberal arts curriculum, such as that at Wells, best prepares students for the multi-disciplinary study of law. In addition to the student's major area of study, the student is encouraged to participate in the Wells College internship program and gain practical experience in a law-related setting.

**Health Professions****(including medicine, nursing, dentistry, veterinary medicine, and other health professions)**

Medical and other health programs recommend an undergraduate preparation that combines a thorough grounding in science, breadth and depth of study in the liberal arts, and a major that matches the interest and aptitude of the student.

The academic program at Wells includes extensive internship and abundant research opportunities both on and off campus. The combination of academic program, practical experience, and comprehensive individual advising has given Wells students an excellent record in admission to schools in the health professions.

Wells College is a member of the Northeast Association of Advisors for Health Professions (neaahp.org) and is also affiliated with the Central New York Area Health Education Center (cnyahec.com).

Members of the Wells College Health Professions Advising Committee serve as supplementary advisors in matters related to preparing for careers in the health sciences. Contact them at prehealth@wells.edu.

**Educational Studies Program**

The Wells education program is designed to train professional educators for the demands of the 21st century. Wells prepares teachers to have a critical understanding of current theory and to be responsive and skilled practitioners. The program at Wells is registered with New York State and accredited by the Council for the Accreditation of Educator Preparation (CAEP). Students who complete the Inclusive Childhood Education major and pass the required New York State examinations qualify for initial New York State certification in general Childhood Education (grades 1-6) and Teaching Students with Disabilities (grades 1-6). Students who complete the Adolescence Education Certification Program (the Adolescence Education minor, a major in the supporting content area, and a full semester of student teaching) and pass the required New York State examinations qualify for initial certification (grades 7-12).

Notes

- During the 2015-2016 academic year, 14 students were formally enrolled in the Wells College Certification Program in Inclusive Childhood or Adolescence Education. These students applied for admission and were accepted into the Certification Program at the end of their sophomore year. Five of these students participated in student teaching during that academic year, teaching an average of 30 hours per week for a period of 14 weeks. Five students completed the teacher education certification program at Wells during 2015-2016 and 100% of these students passed the New York State EAS (Educating All Students test) and CST (Content Specialty Tests). One hundred percent of these students also passed the edTPA (Teaching Performance Assessment).

General Requirements

- Application for acceptance in the education program takes place in the second semester of a student's sophomore year.
- Students must have completed at least 40 semester hours of coursework with a minimum GPA of 3.0 and earned a B- or higher in EDUC 105 (Teaching in a Diverse Society) or its equivalent at another college.
- In addition, students must provide the name of a faculty reference and a statement describing why they would like to complete the certification program.
- All candidates for certification are required to do an internship in an educational setting and take EDUC 408 Student Teaching Reflective Seminar along with EDUC 410 Student Teaching.

- Students must complete required course work and 100 hours of field experience in education prior to student teaching. In addition, to qualify for student teaching they must have a minimum GPA of 3.0 and earned a B- or higher in the required methods courses (Inclusive Childhood: EDUC 301, 302, 304, 307, 402 or Adolescence: EDUC 304, 331, 332, 406). Student teaching placement will be determined by Wells faculty in cooperation with regional school personnel. No placement will be approved without the Wells faculty involvement. Student teachers are required to teach for 12 weeks, full-time in two classrooms suitable to the certification area sought. NOTE: Student teachers will be expected to provide their own housing, if necessary, as well as transportation.
- Students will be required to attend seminars on substance abuse, child abuse, school violence and harassment/bullying.
- Candidates for initial teaching certification will be required to take standardized tests sponsored by the New York State Education Department in addition to the courses required by the program and submit to a fingerprint screening prior to student teaching .

## **Childhood Education**

### **Childhood Certification, Grades 1-6**

### **Teaching Students with Disabilities Certification, Grades 1-6**

**Note:** see “Academic Programs” (page 41) for core requirements.

The Wells Inclusive Childhood Education Major is designed to meet all the academic requirements for New York State initial Childhood Certification (grades 1-6) and New York State initial Teaching Students with Disabilities Certification (grades 1-6). This major / certification program is open to any qualified Wells student. See general requirements.

### **Additional Requirements for Certification**

#### *Multi-subject Core Requirements:*

In addition to the education core students must complete a minimum of 30 credit hours across the liberal arts. These credit hours may overlap with general college requirements and 6 of these credits may overlap with the chosen minor. The 30 liberal arts credits must address learning in the following areas and be approved by an education faculty advisor:

- Artistic expression
- Humanities
- Concepts in history and social sciences
- A language other than English (two semesters required)
- Written analysis and expression
- Scientific and mathematical processes
- Information retrieval
- Communication skills

#### *Certification Workshops:*

New York State teacher certification process requires students to complete the following noncredit workshops, which are taken online for a nominal fee:

EDUC 001	Child Abuse Seminar
EDUC 002	Alcohol and Drug Awareness Seminar
EDUC 003	Violence Prevention and Intervention Seminar
EDUC 004	Harassment Bullying and Discrimination Prevention and Intervention

In addition, fingerprinting must be completed and processed prior to student teaching (fee required).

### **New York State Certification Exams:**

EAS (Educating All Students)

CST (Content Specialty Test)

- Multi-Subject CST
- Teaching Students with Disabilities 1-6 CST

edTPA (Teacher Performance Assessment)

## **Adolescence Education and Certification, Grades 7-12**

**Note:** see “Academic Programs” (page 42) for core requirements.

The adolescence education minor/teacher initial certification program is open to any qualified Wells student. Students who choose to obtain their initial adolescence certification must major in the subject area most closely related to the content they will teach. Certification in biology, chemistry, English, mathematics, physics, social studies, and Spanish is available.

## 3/2 AND 4+1 ARTICULATION PROGRAMS

General Requirements:

- Application for acceptance into an articulation program must be made to the appropriate major program, and a Major Declaration must be filed no later than the end of the first year at Wells College.
- Major requirements should be arranged through the major program faculty at the time of declaration.
- The approval of the Academic Standing, Advising, and Admissions Committee is required for participation in the program. A major GPA of 3.0 or better is generally required.
- Graduation arrangements should be completed during the fourth year; students in articulation programs may march in Commencement at the end of their fourth year.
- Although the Wells degree includes the work of the fourth year, no Wells financial aid is available the fourth year. It is the student's responsibility to see that all official transcripts are sent to the Registrar's Office prior to receipt of the Wells degree.

### **Education (4+1): B.A. Wells/M.A.T. or M.S. University of Rochester**

Wells College has a formal agreement with the Margaret Warner Graduate School of Education at the University of Rochester. We have developed a 4+1 program (4 years at Wells and 1 year at the Warner School) for Wells College undergraduates that would result in a B.A. or B.S. from Wells College and a Master's degree from the Warner School. This program would also meet all the academic requirements for obtaining Professional Teaching Certification from New York State. It is appropriate for two groups of Wells students:

- those who will have completed their initial certification within their bachelor's degree program, but who need a master's degree for professional certification, and
- those who decided to pursue a teaching career too late in their program at Wells to enable them to get their initial teaching certification as part of their bachelor's degree. The Warner program offers these students the option of completing both their certification and their master's degree at the same time.

Wells students can apply either during their junior or senior year. One advantage of the program is that Wells students may apply for early admission during their junior year, an opportunity not afforded to students from other undergraduate colleges. Wells students admitted to the program may begin taking classes at the Warner School during the summers after both their junior and senior years.

### **Engineering (3/2): B.A., Major in Physics or other approved major/B.S. in Engineering**

Advisor: Professor Heinekamp

The student interested in engineering may combine technical courses with the more broadening experience of study at a liberal arts college by undertaking our 3/2 program in engineering at Wells.

The arrangements with **Clarkson University** in Potsdam, New York and **Columbia University** in New York City lead to the Bachelor of Arts from Wells College, as well as the Bachelor of Science in engineering from these universities. A student may easily arrange, with the approval of the Engineering Committee, a program with engineering colleges other than those with formal 3/2 arrangements with Wells.

The major at Wells is ordinarily physics, followed by study in the area of interest within the engineering field at the coordinate institution (in some cases, an alternative Wells science major would be more appropriate). After three years at Wells, a student transfers to the coordinate institution. There, in the fourth year, any remaining Wells B.A. requirements are completed as part of the engineering curriculum. At the end of the fifth year, the Bachelor of Science in engineering from the university will be awarded, along with a degree from Wells. Exceptionally talented students may earn the master's degree in engineering at Columbia University by completing additional courses during summer sessions.

Students will complete all major and distribution requirements of Wells College before entering Columbia. They may seek an exception to this requirement by writing to the SEAS Dean (School of Engineering and Applied Science). The request must be accompanied by a letter of support from the dual-degree engineering director at the participating institution. Exceptions will be made at the sole discretion of the SEAS's dean.

### **Business Administration (4+1): B.A., Major in Economics and Management or other approved major/M.B.A.**

Advisor: Professor Uddin

Wells has a formal articulation (transfer) agreement with Clarkson University in Potsdam, New York, under which Wells students graduating with a B.A. and who have taken the required business foundation courses

specified in the agreement may apply for a one-year M.B.A. program at Clarkson and, if accepted, can complete the program within one academic year. (One or all of the foundation courses may be taken in the Summer Business Concepts Program at Clarkson in the summer prior to beginning the M.B.A. program.) The Clarkson M.B.A. program is intensive and rigorous with an integrated curriculum that focuses on the global environment, technology in the work place, teamwork, leadership, and integrity. Tracks within the M.B.A. program other than the general M.B.A. are global supply chain management, environmental management, and innovation and new venture management.

### **Nursing (4+1+2): B.A./B.S. from Wells, B.S. in Nursing, and Nurse Practitioner Master's from University of Rochester**

Advisor: Health Professions Advising Group

Wells has an early acceptance program with University of Rochester School of Nursing program. Students will complete a B.A./B.S. at Wells, including prerequisites for nursing courses. After graduation, students will spend one year earning a BS in Nursing and then move on to enter the nurse practitioner master's program, which can be completed in two years.

Students must have a cumulative GPA of 3.0 or better and can choose to end the program after earning the B.S. in nursing.

## **CROSS-REGISTRATION AGREEMENTS**

A student may register for one course a semester at no extra charge, up to a total of four courses, at one of the area institutions below. Courses taken under these agreements will appear on the Wells transcript and will be included in the Wells grade point average. (Summer work taken at these institutions is not included in the cross-registration agreements.)

### **Cornell University — Undergraduate Cross-Registration Program**

Wells full-time matriculated students may register for courses offered by any of the eight undergraduate colleges of Cornell University that do not duplicate a Wells course. This option is open to students in good academic standing after completing the first semester. Wells students may register for four courses during their years at Wells, taking one course per semester after approval by the academic advisor and the Wells registrar. Except with prior approval from the advisor and the registrar, students should not expect to fulfill College distribution or major requirements by taking courses under this program. For summer work taken at Cornell, or any work during the semester for which the student pays Cornell tuition, the courses will be treated as any other transfer work. Students taking a course at Cornell under the exchange agreement may not take a course in the same semester at Cayuga Community College (CCC) under the exchange agreement with CCC, nor at Ithaca College (IC) under the exchange agreement with IC.

### **Cayuga Community College Cross-Registration Program**

As part of the Wells College-Cayuga Community College Exchange Program, full-time matriculated students may register for courses offered by CCC that do not duplicate a Wells course and are acceptable for transfer to Wells College. This option is open to students with a minimum cumulative grade point average of at least 2.0 and after completing the first semester. A student may take one course a semester at CCC, but no more than four throughout her or his career at Wells, and must be granted permission by the academic advisor and the registrar. Except with prior approval from the advisor and the registrar, students should not expect to fulfill College distribution or major requirements by taking courses under this program. For summer work taken at CCC, or any work during the semester for which the student pays CCC tuition, the courses will be treated as any other transfer work. Students taking a course at CCC under the exchange agreement may not take a course in the same semester at Cornell University under the exchange agreement with Cornell, nor at Ithaca College under the exchange agreement with IC. At the conclusion of the course, students are responsible for ordering and paying for a transcript to be sent to Wells from CCC.

### **Ithaca College — Undergraduate Cross-Registration Program**

Under the Wells College-Ithaca College Exchange Program, full-time matriculated students may register for courses offered by Ithaca College that do not duplicate a Wells course and are acceptable for transfer to Wells College. This option is open to students with a minimum cumulative grade point average of at least 2.0 and after completing the first semester. A student may take one course per semester at IC, but no more than *12 semester credits* total (CU and CCC programs each allow four **courses**) throughout her or his career at Wells, and must be granted permission by the academic advisor and the registrar. A student should not expect to fulfill College distribution or major requirements by taking courses under this program, except with prior approval from the advisor and the registrar. For summer work taken at IC, or any work during the semester for which the student pays IC tuition, the courses will be treated as any other transfer work. Students taking a course at IC under the agreement may not take a course in the same semester at Cornell University under the agreement with CU, nor at Cayuga Community College under the agreement with CCC.

## OTHER ACADEMIC INFORMATION

### Accreditation

Wells College is fully accredited by the Middle States Commission on Higher Education (MSCHE), and by the New York State Department of Education. Current documents concerning the College's accreditation are available for review upon request to the Office of the President.

### Academic Calendar

Wells College organizes its academic year on the semester system, with two semesters. Each semester has 14 weeks of classes, plus a week of finals.

### Semester Hours

Most Wells College courses are three or four semester hours; students must earn a minimum of 120 semester hours to graduate. Each semester hour represents one 50-minute class period, or one period of two to three hours each week, for a semester. Some courses carry fewer than three semester hours; these include courses in physical education, theatre, dance, music, research, and tutorials.

### Normal Course Load/Full-Time Status

The normal course load is 15 hours per semester; 12 semester hours will be considered full-time. Students holding state or federal loans, scholarships, or grants are required to carry a minimum of 12 semester hours each semester.

### Overloads

Students who wish to take 18-20 semester hours in one semester must have a minimum cumulative GPA of 2.8, advisor approval, and registrar approval. First year, first semester students who wish to take more than 16 credits, students wishing to take more than 20 credits, and students with a cumulative GPA below a 2.8 must file a petition.

### Attendance

It is the general policy of the College that class attendance is expected, but instructors have the right and the obligation to set their own policies regarding absences.

### Catalog in Effect

Each student, whether first-year or transfer student, is expected to satisfy College requirements, the requirements of her or his major, and the requirements of her or his minor (if applicable) as stated in the catalog in effect at the time they first matriculate at Wells College. If, however, a student ceases to attend the College for two years or more, they will be expected to meet major, minor, and College requirements as stated in the catalog in effect at the time they return.

### Time Limit

Each student is expected to complete the requirements for the degree within **seven** years of matriculation at Wells.

### Accelerated Programs

Wells College prefers students experience a four year residency but may allow students to advance as their ability and preparation permit. Students who have completed advanced work in secondary school or by private study, or who have satisfactorily completed courses of an acceptable nature at other institutions, can apply for advanced standing for academic credit under the rules for credit for prior experience.

### Degree with Honors

The traditional Latin honors, *cum laude*, *magna cum laude*, and *summa cum laude*, are awarded at graduation for excellence in course work throughout a student's Wells College career. The degree of bachelor of arts or bachelor of science is awarded *cum laude* to those who have a Wells grade point average of 3.50 to 3.749; *magna cum laude* to those who have a Wells grade point average of 3.75 to 3.899; and *summa cum laude* to those who have a Wells grade point average of 3.90 or above.

### Distinction in the Major

The degree will be awarded *With Distinction* in the major field to any student who 1) has shown outstanding ability (GPA of 3.50 or above) in course work in the major field in the sophomore, junior, and senior years; 2) has shown the capacity to do independent work with a high degree of initiative, genuine intellectual curiosity, and a sense of responsibility; 3) is recommended by faculty in the major field.

## Academic Advising and Registration

The College's academic advising system strikes the balance between making advisors easily accessible and encouraging student initiative in seeking advice. Upon entering Wells, each student is assigned an academic advisor. It is the special responsibility of these advisors to encourage each student to choose a program of study within the liberal arts that is varied and broad. Upon declaration of major, each student selects or is assigned an advisor from the major field who will help guide her or his studies. Although a student is assigned to one particular advisor, students are encouraged to consult with anyone or with several advisors to gain opinions, expertise, and perspectives.

All students register for classes online through the Globe. New students will have the opportunity to become acquainted with the College community, consult with a faculty advisor regarding a degree program, and register for classes at Wells Warm-up or during orientation sessions. Continuing students register for fall classes during the designated registration period in the spring semester, and register for spring classes during the designated registration period in the fall semester. During the period of academic advising just prior to registration, the student's schedule for the semester shall be planned with, and approved by, the student's faculty advisor.

Each student is responsible for registering online on or before the deadline set by the registrar.

A late registration fee of \$150 will be incurred by any student who does not register before the first day of classes, unless exempted by the dean of the college or the registrar, who must receive a written request from the student stating the reasons for late registration. The fee does not apply to revisions of previously submitted programs that are made during the drop/add period.

## Adding, Dropping, Withdrawing from Courses

A student may add a class through the first ten days of classes (the instructor's signature is required after the fifth class day), and drop a class (with no record) through the 10th class day (the 5th class day for 7-week classes). A student may withdraw from any course after the end of the established drop period and before the end of the ninth week of classes with the signature of the instructor and the academic advisor. The withdrawal will appear on the student's transcript with a grade of "W." After the ninth week of classes, and before the end of classes, a student who wishes to withdraw from a class must petition the dean of the college. If the petition is approved, the student will receive a grade of "W" or "WF" (withdraw or withdraw failing) based on work to date except in cases by which — in the judgment of the dean of the college — the withdrawal was required for medical or other grave personal reasons. In such cases the student will receive a grade of "W" (see also "Withdrawal from the College," page 26).

## Prerequisites

A student is expected to have the prerequisites and corequisites stated in a course description in order to enroll in a course. A student may not move backward in a prerequisite sequence; in other words, a student may not receive credit for a course that is listed as a prerequisite for a course that has already been taken or for which credit has been granted.

## Repeating a Course

Students may only repeat courses for which they have previously earned a grade of "U" or a grade of "D+" or lower, or courses that are designated "repeatable."

In the case of a course designated "repeatable," every grade earned shall be posted on the transcript and be calculated into the semester, cumulative, and major grade point averages. This is true even when a grade of "U" or "F" is received.

In the case of a course not designated "repeatable," and for which the student received a grade of "U" or a grade of "D+" or lower, the following regulations apply:

- A course can only be repeated once;
- Repeats are limited to courses taken on the Wells campus or on Wells approved programs only;
- The college will only award credit for a repeated course once;
- Both grades will be posted on the transcript;
- Only the second grade earned will be calculated into the semester, cumulative and major grade point averages. This is true even when the second grade is lower than the first grade;
- Students may take a repeated course pass/fail.

Note: because repeating courses may have financial aid implications, students are not able to use the Globe to self-register for repeated courses. Instead, students must consult with the Registrar in order to register for a repeated course.

### Auditing a Course

A student may visit a course on mutual agreement with the instructor. If they register for an “audit,” they must participate actively in the course and must complete all work specified by the instructor at the beginning of the course. A student desiring to audit a course shall get permission of both the faculty advisor and the instructor of the course no later than the 10th class day.

Under either of the following circumstances, students must petition the dean of the college: if they wish to audit more than one course in a semester or if the request to audit a course is made after the 10th class day. Approval is not automatic, and normally petitions to change the status of a course to an audit will not be approved after the sixth week of classes, unless there are medical reasons.

### Independent Study, Research

Students at Wells have rich opportunities to conduct independent study and research. Students pursue independent work through research courses in the sciences, independent study courses, advanced creative work, tutorials, and through the senior comprehensive requirement. Independent work may involve laboratory or library research, creative projects, or other appropriate study.

Independent study courses are available for those students who have demonstrated an ability to work without close supervision. The purpose of independent study is to supplement the more structured methods of regular courses with the opportunity for the student of high initiative and responsibility to apply her or his abilities to new material with a minimum of guidance. While there are not formal course prerequisites for such work, it is the normal expectation that independent projects will involve explorations in-depth of some specific topic within a general area in which the student has done extensive prior work.

Exceptions may be made in cases where a student of generally demonstrated capability wishes to do exploratory work in a field in which she or he has little or no background, in a manner not provided for by the regular curriculum. Independent study normally is conducted at the 300 level as [Discipline of Study] 399. Under exceptional circumstances and at the discretion of the instructor, students may undertake independent study with the designation [Discipline of Study] 199 or 299, to indicate that the work is not at a level sufficiently advanced to warrant a 300-level designation. In cases of utterly irreconcilable schedule conflicts, a course from the regular curriculum can be taken as an independent study with the regular course number, but only at the discretion of the instructor and with approval from the Curriculum Committee.

First-year students in their second semester, sophomores, juniors or seniors may pursue one independent study project during any semester. Students who have a plan for independent study should consult with the instructor under whose guidance the work is proposed. If the instructor approves the project, a brief description of the project and the amount of credit proposed for it, approved by the instructor and advisor, must be submitted on the Independent Study Form available through the Registrar's Office. Final approval of all projects rests with the Curriculum Committee; copies of the proposal shall be distributed to the instructor and student upon approval or disapproval. Students should not assume approval until formally so notified.

There is a \$1,175 per semester hour charge for a Wells independent study course taken in the summer.

### Credit for Prior Study and Life Experience

Students who have completed advanced work in secondary school or by private study, or who have satisfactorily completed courses of an acceptable nature at other institutions may receive advanced standing or academic credit toward the Wells degree in the following ways:

- **Transfer Courses:** Passing a college-level, non-remedial course in the liberal arts or sciences with a grade of C- or better taken from an accredited college or university regardless of the mode of delivery. Students entering Wells College under an articulation agreement shall be granted credit according to the agreement. Coursework from non-regionally accredited institutions will be evaluated on a case-by-case basis.
- **Articulation Agreements:** Entering with an associate's degree under an articulation agreement. Such students will be granted credit according to the agreement.
- **Advanced Placement Exams:** Scoring a grade of three, four or five on the Advanced Placement exam in a liberal arts field.
- **British A-level Examinations:** Students who complete three A-level examinations with grades of C or above are eligible for sophomore standing (30 semester hours).
- **International Baccalaureate:** A student who earns results of 30 or better on the full International Baccalaureate diploma program and has no score lower than four in any one of the six examination

groups will receive sophomore standing (30 semester hours). If a score of 30 or better is not achieved, credit for higher level (HL) exams with a score of 5 or better may be considered (5 semester hours per exam). No credit is given for standard level (SL) exams. To evaluate IB credit, Wells College needs the IB diploma or transcript sent directly from the IB organization to the Wells College Registrar's Office.

- **Other External Programs:** For similar external programs, credit will be awarded at the discretion of the registrar and the committee on Academic Standing and Advising, with appropriate consultation with relevant disciplines; applicability to a major/minor or placement in advanced courses rests with the major advisor or minor coordinator. Each program is to be reviewed individually.
- **CLEP:** Passing a College-Level Examination Program (CLEP) student examination in a subject covered in the Wells College curriculum, and prior to enrollment at Wells, with at least the minimum score recommended by the American Council of Education. Normally no more than two courses (4-8 semester hours) of such credit may be applied toward a Wells degree.
- **Credit by Examination:** At the discretion of the instructor, taking and passing an examination designed by the instructor of a Wells course to cover the material of that course. Normally no more than two courses (6-8 semester hours) of such credit may be applied toward a Wells degree. Examination so requested must be taken during the student's first year of attendance and must be taken before further credit is completed in the discipline.
- **Prior Experience Internship Credit:** Submitting material in evidence of previous professional experience (paid or non-paid) for approval for internship credit by the relevant discipline internship coordinator and by the Academic Standing, Advising and Admissions Committee. Such approval is normally given only for work completed after high school graduation and is based on written material submitted by the student, describing in detail the experience gained and its relationship to her or his academic work, and a letter of evaluation from a supervisor or employer. Credit so earned is limited to a maximum of two internships (6-8 semester hours).
- **Credit by Portfolio:** Submitting portfolios that demonstrate learning and document experience. Such portfolios shall be presented, developed, and articulated in consultation with a faculty member. Portfolios approved by the faculty member shall be submitted to the Academic Standing, Advising, and Admissions Committee within the student's first semester at Wells for approval for credit. Credit so earned is limited to a maximum of two courses (6-8 semester hours).

In all cases, placement in advanced courses and applications to the requirements for the major will be at the discretion of the major field chair.

No grades will be entered on a student's Wells College record for semester hours earned through these means.

### **Declaration of Major**

Entering students may declare a single intended major from those listed in this catalog. Students who do not declare a major upon entry must declare a major by the end of the seventh week of the semester in which they expect to have earned 60 credit hours. Failure to declare a major by this deadline will result in a registration hold. Students transferring in with 60 or more credit hours must declare a major upon entry.

### **Policy on Individualized Majors**

Students may propose a self-designed individualized major if they have an educational objective that would be better served than by pursuing one of the established majors at Wells College or by pursuing an established major and minor. Each individualized major is expected to meet the philosophical and educational goals of Wells College and to afford the student maximum exposure to the breadth and depth of a liberal education as well as an opportunity to undertake advanced work in an area of special interest. The individualized major must have a clear focus, and at least two disciplines must be substantially represented. The Curriculum Committee will approve or reject these programs.

### **Regulations for Individualized Majors**

The proposed individualized major must have a minimum of 36 semester hours, a maximum of 45 semester hours on one discipline, and a maximum of 65 semester hours overall, including the senior essay/project, IM 401 (4 semester hours). It must include a minimum of 18 semester hours of work at the 300-level or above. The minimum required cumulative GPA at the time of application is 2.7.

## Grades

### Criteria

Grades at Wells College are recorded in terms of the letters A, B, C, D, F with additional gradation for the letters "A" through "D," indicated by plus or minus signs. The grade of "A+" is the highest possible grade; the grade of "D-" is the lowest passing grade; and the grade of "F" indicates failure. The numerical equivalents of these letter grades are as follows: A+ = 97-100; A = 93-96; A- = 90-92; B+ = 87-89; B = 83-86; B- = 80-82; C+ = 77-79; C = 73-76; C- = 70-72; D+ = 67-69; D = 63-66; D- = 60-62; F = 59 and below.

Any grade in the "A" range indicates work of the highest quality; such work will generally be characterized not only by accuracy, but also by excellence in such qualities as comprehensiveness, insight, and originality. Any grade in the "B" range indicates work of good quality; such work will often show some of the qualities that characterize "A" work. Any grade in the "C" range indicates work of satisfactory quality; such work will generally be reasonably accurate, but may show only limited comprehensiveness, insight, and originality. Any grade in the "D" range indicates work that is below average in quality but acceptable; such work may be unsatisfactory in certain aspects, but will be satisfactory in others. Grades of "F" or "U" indicate work that is unsatisfactory.

### Conspicuous Failure

In case of a conspicuous failure in a final examination, when the student, in the opinion of the instructor, fails to show anything like a satisfactory comprehension of the subject, the student may be marked as failing the course even though the numerical value of the classwork would yield a grade of D-.

### Grade Reports

At the close of each semester, grades will be available for students to view on the Globe. Students who have not returned library books or have an outstanding financial obligation to the College will not be issued a transcript until the block is cleared, but they can view their grades online. The financially responsible individual may also request grade reports providing that he/she certifies to the registrar that the student is carried as a dependent on the most current federal income tax return.

### Satisfactory/Unsatisfactory

Instructors may designate courses to be graded Satisfactory/Unsatisfactory. A grade of "S" shall be the equivalent of the letter grades "A" through "D" (and associated pluses and minuses). A grade of "U" shall be the equivalent of an "F" in letter-graded courses. It is a course instructor's right and duty to determine course grades. No more than six semester hours of courses graded S/U may be used for a major. No more than four semester hours of courses graded S/U may be used for a minor. Grades of "S" are not included in computation of the GPA.

### **Pass/Fail Option**

Students may choose to take courses pass/fail. The following regulations apply:

- At the time of registration, or within the first 10 days of either semester, students may designate courses that are normally graded on a letter scale to be graded Pass or Fail. A first-year student may elect one course on a pass or fail basis, in the Spring Semester. A sophomore, junior, or senior may elect up to one course per semester for which a grade of Pass or Fail may be earned.
- After the first 10 days in either semester, students must petition the Academic Standing, Advising, and Admissions Committee to change the basis of grading a course, either from a letter grade to a grade of pass or fail, or from a grade of pass or fail to a letter grade. After the sixth week of classes, such petitions shall be approved only in unusual circumstances, such as when there are medical reasons.
- Students may not take courses for the major or the minor as pass/fail.
- In the computation of grade point averages, all grades of P shall be disregarded by the Registrar and all grades of F shall have the numerical equivalent of 0.
- Pass/fail courses are not included in the 12 graded hours required each semester to be eligible for that semester's dean's list.
- In determining eligibility to return for another year, or candidacy for the degree, courses with a grade of Pass are included in the total hours of satisfactory work.

**Grade Appeal**

If students feel that there is a mistake in the grade earned, they must meet with the instructor before the end of the second full week of the subsequent semester. If a course instructor is no longer at the College, the student shall meet with the chair of the major involved. If an instructor wishes to change a recorded grade, they will submit to the dean of the college a request for the change.

Grades will be changed only because of the instructor's corrected calculation of the grade or because of the instructor's decision to consider lost work submitted by the student. Upon approval by the dean, the change will be recorded by the registrar.

**Incompletes**

1) Under extraordinary circumstances an instructor may request a grade of I (Incomplete) be assigned if a student is unable to complete the work of a course on schedule but will be able to complete it at a later date without further class attendance. The extraordinary circumstances must be beyond the student's control (e.g., reasons of health or severe personal contingencies), and they must be documentable. The need for the Incomplete must have become apparent after the withdrawal period, and the student must have been passing the course at that time.

2) The student must file the incomplete grade request and contract form with the Registrar by the last day of the final exam period. Both the student and the instructor must sign the contract. The incomplete grade request and contract form shall specify the requirements yet to be completed and the deadline for completion (no later than the end of the eighth week of the subsequent semester). The form shall also specify what the grade shall be if the work is not completed. If a contract is not submitted, the instructor may not assign an incomplete but shall assign the grade that the student would earn without completing the remaining work for the course. In order for the incomplete grade request to be granted, it must be approved by the Registrar.

3) When faculty do not submit a grade, or an Incomplete Grade and Contract Form in lieu of a grade, or in cases where they indicate the student has dropped or withdrawn, but the registrar has no record of this, the registrar shall assign a grade of F\* or U\* (administrative assignment of a failing or unsatisfactory grade), which has the same effect on the GPA as a grade of F or U.

**Grade Point Average**

For the computation of academic standing, a grade point system is used. In this system A+ = 4.0; A = 4.0; A- = 3.7; B+ = 3.3; B = 3.0; B- = 2.7; C+ = 2.3; C = 2.0; C- = 1.7; D+ = 1.3; D = 1.0; D- = 0.7; F = 0; and U = 0. Unless designated otherwise, courses are graded in terms of the letters, A, B, C, D, F, with additional gradation for the letters "A" through "D" indicated by plus or minus signs. Certain courses are graded as: "S" (satisfactory), "U" (unsatisfactory); these courses are so designated in the Courses of Instruction section. All internships are graded "S/U".

The calculation of a student's GPA is based on grades earned in all Wells courses, courses taken at Cornell University, Ithaca College, and Cayuga Community College through the cross-registration agreements, and courses taken through Wells approved programs. Grades of "I" (incomplete), "NR" (not reported), "P" (pass), "S" (satisfactory), "W" (withdraw), "WF" (withdraw failing), and "Z" (successful audit) are not included in the GPA calculation.

For courses that a student elects as Pass-Fail courses, grades of "A+" through "D-" shall be converted to a grade of "P." In the computation of the GPA the registrar shall disregard any grades of "P" (after conversion); a grade of "F" shall be given the numerical equivalent of 0 in the calculation of the GPA. See also Repeating a Course.

**Class Standing**

Classification for academic purposes shall be based solely on progress toward the degree as shown by the official records in the Office of the Registrar. Sophomore, junior and senior classification will be granted to students who have successfully passed 30, 60, and 90 semester hours respectively.

**Dean's List**

At the end of each semester, full-time students who have earned a GPA of 3.5 or above for that semester are honored by being placed on the dean's list, provided the student has completed at least 12 hours of graded work (pass/fail and S/U-graded courses are not included). Students with "I" grades are not eligible for the dean's list, regardless of date of completion. All graded courses taken at Wells and in Wells approved programs (including Cornell University, Ithaca College, and Cayuga Community College cross-registration) will be used in determining eligibility for the dean's list.

## Access to Records

The Family Educational Rights and Privacy Act of 1974 (FERPA) (20 U.S.C. § 1232g; 34 CFR Part 99) is a law that pertains to the privacy of student education records and gives parents certain rights with respect to their children's education records. The law applies to all schools that receive funds under an applicable program of the U.S. Department of Education. FERPA grants students access to their academic and educational records, an opportunity to seek to have any information (thought by the student to be inaccurate or misleading) amended, and some control over disclosure of information from the record.

The information below describes generally the provisions of FERPA, a law that is enforced solely by the U.S. Department of Education through specified procedures. The complete text of that Act is available at [www.ed.gov/policy/gen/guid/fpco/ferpa/index.html](http://www.ed.gov/policy/gen/guid/fpco/ferpa/index.html). By providing the following description, the College is not in any sense undertaking contractual or other obligations, or acceding to any enforcement methods or forum(s), beyond the Department of Education procedures and obligations imposed by law.

## Privacy of Records and Information

### Academic Records

Wells College releases information regarding a student's academic record/performance to a student's parents/guardians in accordance with FERPA. That means that academic information can be released only if the College has written authorization from the student or if the student is listed as a dependent for tax purposes. Academic information includes copies of grade reports, attendance reports and any other information pertinent to an individual student's academic record. Members of the faculty and administrative officers have access to the above records on a need-to-know basis for the purpose of evaluation of student achievement and determining special needs of individual students for educational purposes.

### Records of a Non-Academic Nature

Two sets of records for each currently enrolled student are maintained in the Dean of Students Office. One record tracks a student's non-academic accomplishments and records, such as College housing information, campus achievements and appropriate correspondence. Records are maintained for currently enrolled students. Records are then transferred to the Office of Alumnae and Alumni Engagement upon graduation. A second record is maintained for disciplinary proceedings and incidents that violate the Wells College Student Conduct Code. These records are maintained in the Dean of Students Office for seven years in compliance with the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act. At the discretion of the dean of students, a disciplinary record for severe violations of the Student Conduct Code or violations of local, state and federal laws may be maintained by the College indefinitely.

Members of the faculty and administrative officers have access to non-academic records on a need-to-know basis as determined by the dean of students for the purpose of evaluation of student achievement and determining special needs of individual students for purposes related to the enrollment of the student at the College.

### Education Records

With certain exceptions, an education record is any record (1) from which a student can be personally identified and (2) maintained by the College. Education records include any records in whatever medium (handwriting, computer media, print, e-mail, magnetic tape, film, diskette, microfilm and microfiche, video or audio tape, etc.) in the possession of any school official.

Education records excluded from student access and this definition include, for example:

- confidential information placed in the record before January 1, 1975;
- medical and psychological information;
- private notes and procedural matters retained by the maker or substitutes;
- financial records of parents or guardians.

### Release of Records:

#### Exceptions Not Requiring the Student's Written Consent

FERPA states that education records may not be released without the written consent of the student to any individual, agency or organization except, for example, in circumstances including the following:

- to parents, if the student is a dependent as defined by Section 152 of the Internal Revenue Code of 1974;
- to Wells College faculty and staff who have an educational interest in the student;
- to officials of other schools in which student seeks to enroll (transcripts);
- to parents, for disciplinary proceedings involving alcohol and/or other drugs;

- to certain government agencies specified in the legislation;
- to an accrediting agency in carrying out its function;
- to agencies contracted by the College to act on behalf of the institution; such agencies are well versed in FERPA and will protect the privacy of the information we provide to them according to FERPA regulations;
- in emergency situations where the health or safety of the student or others is involved;
- to educational surveys where individual identification is withheld;
- in response to a judicial order;
- in a campus directory unless the student requests otherwise in writing, as described above;
- in connection with financial aid;
- disciplinary records of violent crime or non-forcible sex offense (disclosure is limited to the name of the violator, the type of violation and the sanction).

#### Directory Information May Be Released Without Written Consent

The College may, without prior written consent from the student, release the following directory information at the discretion of the College:

- Parents' names and addresses; student's name, address(es), including e-mail address and telephone number(s); date and place of birth; participation in officially recognized activities and sports; enrollment status (i.e., full-time or part-time); dates of attendance; major field(s) of study; anticipated year of graduation; degrees, honors and awards received; most recent previous school attended; athletic team members: height, weight and position played; photographs (non-captioned); sex.

#### Process for Withholding Directory Information

The previous information may be released for any purpose at the discretion of Wells College. However, FERPA states that each student has the right to withhold any or all of the information. Wells College will honor the student's request to restrict the release of directory information. Once restricted, that information cannot be released without the written consent of the student. A student may make such a request in the Registrar's Office. Requesting the withholding of directory information does not prevent the College from releasing educational records and information to a parent or guardian or to a College official with a need to know as outlined under the other provisions of FERPA.

To prevent disclosure of any or all categories of directory information, the student must submit a written request to Prevent Disclosure of Directory Information in writing to the registrar. A new form for non-disclosure must be completed for each academic year.

#### Student Access to Academic Records

- Present as well as former students must submit a request in writing to the registrar for access to their individual academic records. These requests, with signed acknowledgment of compliance, will become part of the student's record.
- The registrar or designated agent will inform the student within seven business days when the requested record will be available. However, every effort will be made to make the records available within a few days of the request.

#### Student Access to Non-Academic Records

- Present as well as former students must submit a request in writing to the dean of students for access to their individual records. These requests, with signed acknowledgment of compliance, will become part of the student's record.
- The dean of students or designated agent will inform the student within seven business days when the requested record will be available. However, every effort will be made to make the records available within a few days of the request.

#### Challenges to Student Records

A student has the right to request an amendment of their educational records if the student believes that inaccurate or misleading information is contained therein. A student may request, in writing, an opportunity to review the official educational records maintained by the College. The student should write the College official responsible for the record, clearly identify the part of the record they want changed and specify why it is inaccurate or misleading. The College has five business days to respond to the student request. If the College decides not to amend the record as requested by the student, the College will notify the student of the decision and advise the student of his or her right to a meeting regarding the request for amendment. Additional information regarding the meeting procedures will be provided to the student when notified of the right to a meeting.

### Student's Right to Waiver of Access

A student may waive his or her right of access to confidential academic statements (i.e., recommendations) by signing the appropriate waiver form.

The waiver shall be valid only if:

- upon the student request, the names of all persons making confidential recommendations are provided;
- such recommendations or statements are used only for the purpose for which they were specifically intended. The College may not demand such a waiver as a condition of admission, award of financial aid, or the receipt of any other services and/or benefits.

A student may also waive his or her right to privacy of the academic or disciplinary record by signing a Release of Information form (available in the Office of Student Life) indicating the nature and type of information to be released and to whom it may be released, or by other forms that may be used in connection with College athletics or other programs.

A student may file a written complaint regarding an alleged FERPA violation by Wells College with the Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, S.W., Washington, DC 20202-4605.

### **Transcript of Academic Record**

Official transcripts of the academic record will be available for a fee to each student or alum. Requests for transcripts must be submitted via [getmytranscript.com](http://getmytranscript.com). Transcripts will not be issued to students who are indebted to the College. Unofficial transcripts are available on the Globe.

The College makes notations on the transcript in the case of some academic prizes, Dean's List, academic standing, and some suspensions/expulsions for code of conduct violations. In accordance with New York State Law, Wells College includes notations on the official transcripts for students found responsible through the institution's conduct process for crimes of violence, including, but not limited to, sexual violence, as set forth in 20 U.S.C. 1092(f)(1)(F)(i)(I)-(VIII) of the Clery Act. For information on how to appeal a transcript notation, contact the Registrar's office.

### **Academic Standing**

After the close of each semester, the registrar will prepare the Registrar's List for the use of the Committee on Academic Standing, Advising, and Admissions. The Registrar's List will consist of the names of students whose cumulative and/or major grade point averages are below 2.0.

The Committee on Academic Standing, Advising, and Admissions shall review student records after each semester to ascertain if students are achieving a cumulative grade point average of at least 2.0. Students whose cumulative and/or major grade point average is below 2.0 shall be notified.

The Committee on Academic Standing, Advising, and Admissions will normally issue an Academic Warning to any student whose cumulative and/or major grade point average falls below 2.0 for the first time. The Committee will normally issue an Academic Probation to any student whose cumulative grade point average falls below 2.0 for the second time, and a second Academic Probation to any student whose cumulative grade point average falls below 2.0 for the third time. The Committee shall evaluate students who have a major GPA below a 2.0 for a second time on a case-by-case basis.

For a student whose cumulative grade point average falls below 2.0 for a fourth time, the Committee on Academic Standing, Advising, and Admissions will normally issue an Academic Suspension for a minimum period of two semesters. In addition, the Committee on Academic Standing, Advising, and Admissions will consider for suspension at any time any student who is deemed to have failed to make satisfactory progress toward the degree. Suspended students must apply for readmission to the dean of the college. Readmission is at the discretion of the dean of the college. The dean of the college may set expectations that the student must satisfy upon return, based on the student's academic progress thus far.

The dean of the college or the Committee on Academic Standing, Advising, and Admissions shall dismiss a student permanently from the College for academic reasons if that student returns from an academic suspension and then fails to earn a cumulative grade point average of 2.0 any semester after return, or who fails to meet other expectations as outlined by the dean of the college for that students' readmission from suspension.

**Academic Conduct Probation**

The Academic Standing, Advising and Admissions Committee may place on academic conduct probation any student who has been found responsible of a conduct offense and for whom such probation has been recommended by Community Court. Length of probation will be determined by the committee upon recommendation of Community Court.

**Dismissal of Students**

The continuation of each student on the rolls of Wells College, the issuing of grades or other academic reports, and the conferring of any degree or the granting of any diploma, are subject to the discretionary powers of the College. The College expressly reserves the right, and the student expressly concedes to the College the right, to require the withdrawal of or impose the suspension of any student at any time for any reason deemed sufficient by the College. No reason for requiring such withdrawal need be given. Unless a student is financially independent, their parents will be notified of the dismissal.

In addition, a student whose behavior indicates to the dean of the college or the dean of students a need for professional consultation, may at any time be required to obtain psychiatric evaluation and clearance as a condition of continued enrollment.

**Leave of Absence**

A leave of absence is granted to a student who must be absent during the semester but anticipates returning to complete course work. A leave of absence for medical or other personal reasons may be granted by the dean of students for a maximum of 15 days; only one such leave may be granted during a 12-month period.

**Approved Off-Campus Study**

A student studying off-campus is participating in one of the following options.

- Wells College Programs — Wells College programs are administered by Wells College. Students are registered full-time through the College; thus, Wells College can certify enrollment.
- Approved Programs — Approved programs have been reviewed and approved by the Wells College faculty, but Wells does not directly administer the programs. Students are registered full-time through the College; thus, Wells College can certify enrollment.
- Field Experience — Field Experience is an approved semester-long internship or independent study experience. Students register for such an experience through the College; thus, Wells College can certify enrollment according to the number of semester hours for which the student is registered.
- Non-Approved Programs — Non-Approved Programs are administered by other institutions and have not been reviewed or approved by the Wells College faculty. Students are registered at the offering institution and not at Wells College; thus, Wells College cannot certify enrollment.

**Withdrawal from the College**

A student withdraws when they are not planning to return to Wells College or when they need an extended leave of absence (beyond 15 days).

When a student withdraws from the College, the transcript will read as follows:

- Before the end of the drop period for the semester in progress, no record is entered.
- From the end of the drop period through the official withdrawal period for the semester in progress, the registrar will assign a “W” for each course.
- After the official withdrawal period for the semester in progress, students who withdraw from the College shall receive grades from their instructors of “W” or “WF” depending on progress to date, except in cases by which — in the judgment of the dean of the college — the withdrawal was required for medical or other grave personal reasons.

A student who is not intending to return to Wells College needs to complete the withdrawal form and Exit Interview Questionnaire indicating the reasons for leaving the College. The student will also meet with the dean of students to review the withdrawal form and Exit Interview Questionnaire.

**Readmission**

A student who withdraws from Wells College and wishes to return must submit an application of readmission available in the dean of students office. Applications for readmission will be reviewed by the dean of students and other appropriate staff.

A student who is suspended from college for academic reasons may be readmitted by the dean of the College.

A student who is suspended from the College for non-academic reasons may be readmitted by the dean of students.

**PHI BETA KAPPA**

**PHI BETA KAPPA, XI OF NEW YORK CHAPTER** — *Phi Beta Kappa* is the oldest and most distinguished of academic honorary societies. Founded in 1776 at the College of William and Mary, its purpose is to recognize and encourage excellence in the liberal arts. The Wells College chapter of *Phi Beta Kappa*, XI of New York, was founded in 1932. It recognizes seniors whose academic achievements have been distinguished, and whose cultural interests are broad. Students elected to *Phi Beta Kappa* must demonstrate, in addition to academic excellence, breadth of study outside the major field and a knowledge of mathematics or science and of a language other than English. Candidates must have completed at least three semesters of work at Wells and be fully registered for the fourth. Also taken into account are the character, achievements, originality, and breadth of interest of each candidate. Election to *Phi Beta Kappa* is the highest and most widely recognized of academic honors.

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# Academic Programs



## ACADEMIC PROGRAMS

### AFRICANA STUDIES MINOR

As a field of inquiry, Africana studies analyzes experiences of people of African descent wherever they live or have lived. It is inherently comparative, international and multidisciplinary in approach, embracing humanities, arts and the social sciences.

The total number of courses required for the minor is 6 (18 semester hours).

#### REQUIRED COURSES

- ***The following (3 sem. hrs.)***  
INTL 160 Introduction to Africana Studies (3 sem. hrs.)
- ***Five of the following, with at least two courses at the 300-level (15 sem. hrs.)***  
FMS 220 Post-Colonial African Cinema (3 sem. hrs.)  
HIST 361 Voices of African-American Women (3 sem. hrs.)  
HIST 372 Colonial Encounters (3 sem. hrs.)  
HUM 305 Post-Colonial African Literature (3 sem. hrs.)  
POLS 268 Comparative Governments and Politics: Cases of Predominantly Black Nations (3 sem. hrs.)  
SOC 277 Social Inequality: Class and Ethnicity (3 sem. hrs.)  
Independent Study or Internship in an appropriate discipline (3 sem. hrs.)

### ANTHROPOLOGY

See sociology and anthropology major.

### ANTHROPOLOGY MINOR

Anthropology is the study of humankind, which encompasses such topics as the origin and development of human society; the nature of human diversity in the past and present; ethnocentrism, world view and the roots of culture; and the differing ways in which peoples have adapted to environments and to other human groups.

Students majoring in sociology and anthropology may not minor in anthropology. The total number of courses required for the minor is 6 (18–19 semester hours).

#### REQUIRED COURSES

- ***The following (3 sem. hrs.)***  
ANTH 161 Introduction to Anthropology (3 sem. hrs.)
- ***One of the following (3-4 sem. hrs.)***  
ANTH 260 Ethnographic Methods (4 sem. hrs.)  
ANTH 330 Culture, Fieldwork, and Ethnography (3 sem. hrs.)
- ***Two courses from the following list from two different regions for a comparative perspective (6 sem. hrs.)***  
OCS 300 The Anthropological Experience in Hawaii (3 sem. hrs.)  
OCS 305 The Anthropological Experience in Belize (3 sem. hrs.)  
ANTH 250 Hawaii: Colonialism and Tourism (3 sem. hrs.)  
ANTH 345 Maya Ethnography (3 sem. hrs.)
- ***Two other ANTH designated courses (or RELG 330) (6 sem. hrs.)***

### ART CONCENTRATION

See visual arts major: concentration in studio art.

### ART (STUDIO) MINOR

See studio art minor.

### ART HISTORY CONCENTRATION

See visual arts major: concentration in art history.

## ART HISTORY MINOR

Students concentrating in studio art may not use the same courses for both the studio art concentration and the minor in art history. Those students should consult with their advisor and the coordinator of the minor to decide appropriate substitutions. The total number of courses required for the minor is 6 (18 semester hours).

### REQUIRED COURSES

- **Two of the following (6 sem. hrs.)**
  - ARTH 101 Prehistoric to Renaissance Survey (3 sem. hrs.)
  - ARTH 102 Renaissance to Contemporary Survey (3 sem. hrs.)
  - ARTH 105 Art of Non-Western Cultures Survey (3 sem. hrs.)
- **All of the following (12 sem. hrs.)**
  - Two studio art courses (6 sem. hrs.)
  - Two additional art history courses (6 sem. hrs.)

## BIOCHEMISTRY AND MOLECULAR BIOLOGY MAJOR (B.A., B.S.)

The number of courses required for the major is the equivalent of 17 courses of 3-4 semester hours (63-65 semester hours); at least 7 of these courses (18 semester hours) are at the 300-level or above.

### REQUIRED COURSES

- **All of the following (56-58 sem. hrs.)**
  - BCS 290/390 Internship in the B&CS (2-4 sem. hrs.)
  - BCS 403 Senior Seminar (4 sem. hrs.)
  - BIOL 130L Biology of Organisms (4 sem. hrs.)
  - BIOL 214L Anatomy & Physiology I (4 sem. hrs.)
  - BIOL 226L Genetics (4 sem. hrs.)
  - BIOL 312L Molecular Biology (4 sem. hrs.)
  - CHEM 107L General Chemistry (4 sem. hrs.)
  - CHEM 108L Chemical Analysis (4 sem. hrs.)
  - CHEM 213L Organic Chemistry I (4 sem. hrs.)
  - CHEM 214L Organic Chemistry II (4 sem. hrs.)
  - CHEM 301 Physical Chemistry (3 sem. hrs.)
  - CHEM 323L Biochemistry (4 sem. hrs.)
  - CHEM 326 Biochemical Pathways (3 sem. hrs.)
  - MATH 111 Calculus I: Introduction to Calculus (4 sem. hrs.)
  - PHYS 111L Fundamentals of Physics I (4 sem. hrs.)
- **One additional 300-level course in chemistry (3-4 sem. hrs.)**
- **One additional 300-level course in biology (4 sem. hrs.)**

## BIOLOGICAL AND CHEMICAL SCIENCES PROGRAMS

The study of biological and chemical sciences (including biology, chemistry, and biochemistry and molecular biology) provides a foundation in the fundamental areas of biology, the study of life, and chemistry, the study of matter, and offer electives in a variety of advanced subjects ranging from the interface of biology with psychology to the interface of chemistry with physics. In all courses the application of the scientific method to achieve an understanding of the natural world is stressed. The senior capstone course (BCS 403) offer all majors the opportunity to develop intellectual independence and the ability to think creatively. Students completing these majors will be prepared for a variety of careers in biology, medicine, biotechnology, environmental science, and chemistry. In addition, these students will be well equipped for advanced, specialized study in any health professions school or in graduate school.

## BIOLOGICAL AND CHEMICAL SCIENCES MAJOR (B.A.)

### REQUIRED COURSES

- **All of the following (38-40 sem. hrs.)**
  - BCS 290/390 Internship in the Biological & Chemical Sciences (2-4 sem. Hrs.)
  - BCS 403 Senior Seminar in the Biological and Chemical Sciences (4 sem. hrs.)
  - BIOL 119L Ecology and Evolution (4 sem. hrs.)
  - BIOL 130L Biology of Organisms (4 sem. hrs.)

BIOL 214L	Anatomy and Physiology I (4 sem. hrs.)
BIOL 226L	Genetics (4 sem. hrs.)
CHEM 107L	General Chemistry (4 sem. hrs.)
CHEM 108L	Chemical Analysis (4 sem. hrs.)
CHEM 213L	Organic Chemistry I (4 sem. hrs.)
CHEM 214L	Organic Chemistry II (4 sem. hrs.)

- **One of the following (3-4 sem. hrs.)**  
MATH 111      Calculus I: Introduction to Calculus (4 sem. hrs.)  
MATH 151      Elementary Statistics (3 sem. hrs.)  
MATH 251      Mathematical Statistics (3 sem. hrs.)
- **One additional 300-level courses in chemistry (3-4 sem. hrs.)**
- **One additional 300-level courses in biology (3-4 sem. hrs.)**

## BIOLOGICAL SCIENCES: HEALTH SCIENCES MAJOR (B.S.)

### REQUIRED COURSES

- **All of the following (42-44 sem. hrs.)**  
HS 100      Introduction to Health Sciences (3 sem. hrs.)  
PSY 101      General Psychology (3 sem. hrs.)  
HS 290/390      Internship in Health Sciences (2-4 sem. hrs.)  
HS 401      Senior Seminar in Health Sciences (2 sem. hrs.)  
BIOL 130L      Biology of Organisms (4 sem. hrs.)  
BIOL 214L      Anatomy and Physiology I (4 sem. hrs.)  
BIOL 226L      Genetics (4 sem. hrs.)  
BIOL 310L      Microbiology (4 sem. hrs.)  
CHEM 107L      General Chemistry (4 sem. hrs.)  
CHEM 108L      Chemical Analysis (4 sem. hrs.)  
CHEM 213L      Organic Chemistry I (4 sem. hrs.)  
CHEM 214L      Organic Chemistry II (4 sem. hrs.)
- **One of the following (3 sem. hrs.)**  
SOC 151      Principles of Sociology (3 sem. hrs.)  
SOC 228      Social Problems (3 sem. hrs.)
- **One of the following (3-4 sem. hrs.)**  
MATH 111      Calculus I: Introduction to Calculus I (4 sem. hrs.)  
MATH 112      Calculus II: Introduction to Calculus II (4 sem. hrs.)  
MATH 151      Elementary Statistics (3 sem. hrs.)
- **Three of the following, from at least two different disciplines (9-12 sem. hrs.)**  
BIOL 304L      Vertebrate Zoology (4 sem. hrs.)  
BIOL 309      Cellular Biology (3 sem. hrs.)  
BIOL 312L      Molecular Biology (4 sem. hrs.)  
BIOL 330L      Anatomy and Physiology II (4 sem. hrs.)  
BIOL 331      Developmental Biology (3 sem. hrs.)  
BIOL 324L      Animal Behavior (4 sem. hrs.)  
CHEM 303      Medicinal Chemistry (3 sem. hrs.)  
CHEM 323L      Biochemistry (4 sem. hrs.)  
CHEM 326      Biochemical Pathways (3 sem. hrs.)  
PHYS 111L      Fundamentals of Physics I (4 sem. hrs.)  
PHYS 212L      Fundamentals of Physics II (4 sem. hrs.)  
PSY 206      Health Psychology (3 sem. hrs.)  
PSY 227      Abnormal Psychology (3 sem. hrs.)  
PSY 242      Drugs and Behavior (3 sem. hrs.)  
PSY 301      Child Clinical Psychology (3 sem. hrs.)  
PSY 342      Biological Bases of Psychology (3 sem. hrs.)  
PSY 343      Neuropsychology (3 sem. hrs.)

## BIOLOGY MAJOR (B.A., B.S.)

The number of courses required for the major is the equivalent of 15 courses of 3-4 semester hours (59-66 semester hours); at least 6 of these courses (18 semester hours) are at the 300-level or above.

**REQUIRED COURSES**

- **All of the following (38-40 sem. hrs.)**
  - BCS 290/390 Internship in the B&CS (2-4 sem. hrs.)
  - BCS 403 Senior Seminar (4 sem. hrs.)
  - BIOL 119L Ecology & Evolution (4 sem. hrs.)
  - BIOL 130L Biology of Organisms (4 sem. hrs.)
  - BIOL 214L Anatomy & Physiology I (4 sem. hrs.)
  - BIOL 226L Genetics (4 sem. hrs.)
  - CHEM 107L General Chemistry (4 sem. hrs.)
  - CHEM 108L Chemical Analysis (4 sem. hrs.)
  - CHEM 213L Organic Chemistry I (4 sem. hrs.)
  - CHEM 214L Organic Chemistry II (4 sem. hrs.)
- **One of the following (3-4 sem. hrs.)**
  - MATH 111 Calculus I: Introduction to Calculus (4 sem. hrs.)
  - MATH 151 Elementary Statistics (3 sem. hrs.)
  - MATH 251 Mathematical Statistics (3 sem. hrs.)
- **One course from each of the following three groups (9-11 sem. hrs.)**

**PHYSIOLOGICAL AND DEVELOPMENTAL BIOLOGY**

  - BIOL 304L Vertebrate Zoology (4 sem. hrs.)
  - BIOL 330L Anatomy & Physiology (4 sem. hrs.)
  - BIOL 331 Developmental Biology (3 sem. hrs.)

**MOLECULAR AND CELLULAR BIOLOGY**

  - BIOL 309 Cellular Biology (3 sem. hrs.)
  - BIOL 310L Microbiology (4 sem. hrs.)
  - BIOL 312L Molecular Biology (4 sem. hrs.)

**ECOLOGICAL BIOLOGY**

  - BIOL 305 Terrestrial Field Biology (3 sem. hrs.)
  - BIOL 363 Advanced Ecology (3 sem. hrs.)
  - ENVR 340 Sustainable Agriculture (3 sem. hrs.)
- **Two additional 300-level courses in biology (6-8 sem. hrs.)**

**BIOLOGY MINOR**

The minor in biology gives the student training in the breadth of the field, as well as providing in-depth study in areas of her or his choice. Students majoring in biochemistry and molecular biology may not minor in biology. Total number of courses required for the minor is 6 (24 semester hours).

**REQUIRED COURSES**

- **All of the following (16 sem. hrs.)**
  - BIOL 119L Ecology and Evolution (4 sem. hrs.)
  - BIOL 130L Biology of Organisms (4 sem. hrs.)
  - BIOL 214L Anatomy and Physiology I (4 sem. hrs.)
  - BIOL 226L Genetics (4 sem. hrs.)
- **Two 300-level biology courses (6-8 sem. hrs.)**

**BOOK ARTS CONCENTRATION**

See visual arts major: concentration in book arts.

**BOOK ARTS MINOR**

The total number of courses required for the minor is 7 (19-21 semester hours).

**REQUIRED COURSES**

- **All of the following (10 sem. hrs.)**
  - BKRT 121 Hand Papermaking (1 sem. hr.)
  - BKRT 115 Hand Bookbinding I (3 sem. hrs.)
  - BKRT 120 Letterpress Printing (3 sem. hrs.)
  - BKRT 225 The History of the Book (3 sem. hrs.)
- **At least two of the following (6-8 sem. hrs.)**

ART 119	Visual Organization (3 sem. hrs.)
ART 260	Intro to Darkroom Photography (3 sem. hrs.)
ART 261	Digital Photography (3 sem. hrs.)
ART/BKRT	127 Intro to Print and Graphic Design (3 sem. hrs.)
BKRT 215	Hand Bookbinding II (3 sem. hrs.)
BKRT 220	Digital Book and Graphic Design (3 sem. hrs.)
BKRT 285/385	Topics in the Book Arts (2-4 sem. hrs.)
BKRT 290/390	Internship in the Book Arts (2-4 sem. hrs.)
BKRT 299/399	Independent Study in the Book Arts (1-3 sem. hrs.)

- ***One of the following (3 sem. hrs.)***

ARTH 270	A Survey of Modern Art
ARTH 235	Contemporary Art (3 sem. hrs.)

## BUSINESS MAJOR (B.S.)

The goal of the business program is to provide students with fundamental understanding of key interdisciplinary business concepts. The program also seeks to enhance the knowledge in business decision-making approaches in relation to most current business practices applied locally and globally.

The focus of the business major is surrounded with a few key schools such as economics, marketing, management, statistics, accounting, human resources, organizational behavior, and innovation. The total courses required for the business major is 18 (54-56 semester hours).

### REQUIRED COURSES

- ***All of the following (42-44 sem. hrs.)***

BUS 100	Principles of Business (3 sem. hrs)
BUS 201	Principles of Management (3 sem. hrs)
BUS 202	Principles of Marketing (3 sem. hrs)
BUS 213	Accounting I: Intro to Financial Accounting (3 sem. hrs)
BUS 230	Intro to Human Resource Management (3 sem. hrs)
BUS 290/390	Internship in Business (2-4 sem. hrs)
BUS 303	Small Business Management (3 sem. hrs)
BUS 305	Legal Environment of Business (3 sem. hrs)
BUS 310	Corporate Finance (3 sem. hrs)
BUS 402	Senior Seminar in Business (4 sem. hrs)
ECON 101	Principles of Macroeconomics (3 sem. hrs)
ECON 102	Principles of Microeconomics (3 sem. hrs)
MATH 151	Elementary Statistics (3 sem. hrs)
WLLS 110	Personal Financial Management (3 sem. hrs)

- ***Four of the following courses (12 sem. hrs.)***

BUS 203	Social Entrepreneurship (3 sem. hrs)
BUS 204	Business Analytics (3 sem. hrs)
BUS 214	Principles of Accounting II (3 sem. hrs)
BUS 220	International Business (3 sem. hrs)
BUS 231	Principles of Project Management (3 sem. hrs)
BUS 250	Innovation: Creative Problem Solving (3 sem. hrs)
BUS 253	Investment Management and Strategies (3 sem. hrs)
BUS 302	Brand Management (3 sem. hrs)
BUS 350	Business Strategy (3 sem. hrs)
BUS 360	Strategic Marketing and e-Commerce. (3 sem. hrs)
BUS 365	Business Sustainability and Social Responsibility (3 sem. hrs)
BUS 368	Sales and Sales Management (3 sem. hrs)
ECON 286	Money, Banking and Capital Markets (3 sem. hrs)
ECON 302	Managerial Economics (3 sem. hrs)
ECON 330	The World Economy: Trade and Finance (3 sem. hrs)
PHIL 240	Ethics, Equality and Justice (3 sem. hrs)
PSY 306	Organizational Behavior (3 sem. hrs)
THEA 201	Arts Management (3 sem. hrs)

## BUSINESS MINOR

The total courses required for the business minor is 7 (21 sem. hrs.).

### REQUIRED COURSES

- **All of the following (15 sem. hrs.)**
  - BUS 201 Principles of Management
  - BUS 202 Principles of Marketing (prereqs ECON 102 and BUS 201)
  - BUS 213 Principles of Accounting I
  - BUS 250 Innovation & Creative Problem Solving
  - MATH 151 Elementary Statistics
- **One of the following (3 sem. hrs.)**
  - ECON 101 Principles of Macroeconomic
  - ECON 102 Principles of Microeconomics
- **One of the following (3 sem. hrs.)**
  - BUS 214 Principles of Accounting II (prereq BUS 213)
  - BUS 230 Introduction Human Resource Management (prereq BUS 201)
  - BUS 365 Business Sustainability and Social Responsibility (prereqs BUS 201 and 302)
  - BUS 368 Sales and Sales Management (prereqs BUS 201, 202, MATH 151 OR MATH 251)
  - ECON 101 Principles of Macroeconomics (if not taken for above)
  - ECON 102 Principles of Microeconomics (if not taken for above)
  - PSY 306 Organizational Behavior (prereq PSY 101)
  - THEA 201 Arts Management

## CHEMISTRY MAJOR (B.A.)

The number of courses required for the major is the equivalent of 16 (51-56 semester hours); at least 6 of these courses (18 semester hours) are at the 300-level or above.

### REQUIRED COURSES

- **All of the following (44-46 sem. hrs.)**
  - BCS 290/390 Internship in the Biological and Chemical Sciences (2-4 sem. hrs.)
  - BCS 403 Senior Seminar 4 sem. hrs.)
  - CHEM 107L General Chemistry (4 sem. hrs.)
  - CHEM 108L Chemical Analysis (4 sem. hrs.)
  - CHEM 213L Organic Chemistry I (4 sem. hrs.)
  - CHEM 214L Organic Chemistry II (4 sem. hrs.)
  - CHEM 301 Physical Chemistry (3 sem. hrs.)
  - CHEM 308L Laboratory in Physical Chemistry (1 sem. hr)
  - CHEM 315L Inorganic Chemistry (4 sem. hrs.)
  - CHEM 327L Instrumental Analysis (4 sem. hrs.)
  - MATH 111 Calculus I: Introduction to Calculus (4 sem. hrs.)
  - PHYS 111L Fundamentals of Physics I (4 sem. hrs.)
- **Three of the following (9-12 sem. hrs.)**
  - BIOL 325L Limnology (4 sem. hrs.)
  - CHEM 303 Medicinal Chemistry (3 sem. hrs.)
  - CHEM 323L Biochemistry (4 sem. hrs.)
  - CHEM 326 Biochemical Pathways (3 sem. hrs.)
  - CHEM 331 Solid State Chemistry (3 sem. hrs.)
  - CHEM 385 Topics in Chemistry (3-4 sem. hrs.)
  - PHYS 212L Fundamentals of Physics II (4 sem. hrs.)
  - PHYS 302 Modern Physics (3 sem. hrs.)
  - PHYS 307 Special Relativity and Intermediate Quantum Mechanics (3 sem. hrs.)

## CHEMISTRY MAJOR (B.S.)

The number of courses required for the major is the equivalent of 17 (60-64 semester hours); at least 6 of these courses (18 semester hours) are at the 300-level or above.

**REQUIRED COURSES**• **All of the following (54-56 sem. hrs.)**

BCS 290/390	Internship in the Biological and Chemical Sciences (2-4 sem. hrs.)
BCS 403	Senior Seminar in the Biological and Chemical Sciences (4 sem. hrs.)
CHEM 107L	General Chemistry (4 sem. hrs.)
CHEM 108L	Chemical Analysis (4 sem. hrs.)
CHEM 213L	Organic Chemistry I (4 sem. hrs.)
CHEM 214L	Organic Chemistry II (4 sem. hrs.)
CHEM 301	Physical Chemistry (3 sem. hrs.)
CHEM 308L	Laboratory in Physical Chemistry (1 sem. hr.)
CHEM 315L	Inorganic Chemistry (4 sem. hrs.)
CHEM 323L	Biochemistry (4 sem. hrs.)
CHEM 327L	Instrumental Analysis (4 sem. hrs.)
MATH 111	Calculus I: Introduction to Calculus (4 sem. hrs.)
MATH 112	Calculus II (4 sem. hrs.)
PHYS 111L	Fundamentals of Physics I (4 sem. hrs.)
PHYS 212L	Fundamentals of Physics II (4 sem. hrs.)

**Two of the following (6-8 sem. hrs.)**

CHEM 303	Medicinal Chemistry (3 sem. hrs.)
CHEM 326	Biochemical Pathways (3 sem. hrs.)
CHEM 331	Solid State Chemistry (3 sem. hrs.)
CHEM 385	Topics in Chemistry (3-4 sem. hrs.)
PHYS 302	Modern Physics (3 sem. hrs.)
PHYS 307	Special Relativity and Intermediate Quantum Mechanics (3 sem. hrs.)

**CHEMISTRY MINOR**

The minor program in chemistry furnishes an overview of the areas which traditionally comprise the discipline. This program provides a suitable background for those students who seek to apply this knowledge in a variety of fields.

Students majoring in biochemistry and molecular biology may not minor in chemistry. Students majoring in biology or biological sciences: health science should work with their advisor to ensure that no more than 50% of the semester hours applied to this minor are also applied to their major. The total number of courses required for the minor is 6 (21-24 semester hours).

**REQUIRED COURSES**• **All of the following (12 sem. hrs.)**

CHEM 107L	General Chemistry (4 sem. hrs.)
CHEM 108L	Chemical Analysis (4 sem. hrs.)
CHEM 213L	Organic Chemistry I (4 sem. hrs.)

• **Three additional courses in chemistry above the 100-level (9-12 sem. hrs.)****COGNITIVE AND BRAIN SCIENCES MINOR**

This interdisciplinary minor provides a focused study of the cognitive products of biological and non-biological computational systems (e.g., humans and computers) including perception, attention, learning, memory, language, reasoning, decision making, problem solving, creativity, and action, as well as the instantiation of these functions in neural 'hardware.' Coursework across the disciplines allows for an examination and exploration of these issues at different levels of analysis and explanation (concrete to abstract).

The total number of courses required for the minor is 7 (20-23 semester hours).

**REQUIRED COURSES**• **All of the following (9 sem. hrs.)**

PSY 101	General Psychology (3 sem. hrs.)
PSY 343	Neuropsychology (3 sem. hrs.)
PSY 347	Cognitive Psychology (3 sem. hrs.)

• **Two of the following (6-7 sem. hrs.)**

BIOL 214L	Anatomy and Physiology I (4 sem. hrs.)
CS 131	Programming I: Procedural Methods (3 sem. hrs.)
PHIL 325	Belief and Knowledge (3 sem. hrs.)
<b>OR</b> PHIL 331	Mind (3 sem. hrs.)

- **One course from the following (3 sem. hrs.)**  
 PSY 340 Psycholinguistics (3 sem. hrs.)  
 PSY 349 Cognition and Culture (3 sem. hrs.)  
 PSY 370 Sensation and Perception (3 sem. hrs.)
- **One course from the following (3-4 sem. hrs.)**  
 BIOL 324L Animal Behavior (4 sem. hrs.)  
 PSY 242 Drugs and Behavior (3 sem. hrs.)  
 PSY 342 Biological Bases of Behavior (3 sem. hrs.)

## COMMUNICATION STUDIES MINOR

The field of communications, broadly defined, includes any profession which requires clear and persuasive writing or speaking, such as journalism, public relations, advertising, and broadcasting. The curiosity, research skills and analytical thought encouraged within any liberal arts major are basic tools for the professional communicator.

The minor requires courses that relate to theoretical aspects of communication and courses that involve practical applications. Courses in writing, interpersonal communication, mass media, and the Internet are augmented by independent work, tutorials, and internships. The coordinator will work individually with each student to plan the minor, including a consultation prior to registration for each semester.

The total number of courses required for the minor is 7 (18.5-23 semester hours).

### REQUIRED COURSES

- **All of the following (11-13 sem. hrs.)**  
 COMM 290 Internship in Communications (2-4 sem. hrs.)  
 or COMM 390 Advanced Internship in Communications (2-4 sem. hrs.)  
 FMS 270 Writing for the Mass Media (3 sem. hrs.)  
 SOC 151 Principles of Sociology (3 sem. hrs.)  
 SOC 331 Mass Media and Society (3 sem. hrs.)
- **Two of the following from different disciplines (4.5-7 sem. hrs.)**  
 ART 119 Visual Organization (3 sem. hrs.)  
 ART 261 Photographic Digital Imaging (3 sem. hrs.)  
 ART/BKRT 127 Introduction to Graphic Design (3 sem. hrs.)  
 BKRT 220 Digital Book and Graphic Design (3 sem. hrs.)  
 CS 105 HTML (1.5 sem. hrs.)  
 FMS 101 Introduction to Cinema Studies (3 sem. hrs.)  
 PSY 280 Psychology of Art (3 sem. hrs.)  
 SS 294 Research Methods for the Social Sciences (4 sem. hrs.)
- **One of the following (3 sem. hrs.)**  
 FMS 220 Post-Colonial African Cinema (3 sem. hrs.)  
 FMS 241 Reading Popular Film (3 sem. hrs.)  
 FMS 281 Film and Literature (3 sem. hrs.)  
 PHIL 329 Philosophy of Art (3 sem. hrs.)  
 SPAN 204 Conversation and Composition Through Film (3 sem. hrs.)

## COMPUTER SCIENCE MAJOR (B.A.)

The number of courses required for the major is 14 (43-45 semester hours). At least four of these courses (12 semester hours) must be at the 300-level or above. Internships may not be used to fulfill major requirements.

### REQUIRED COURSES

- **All of the following (31 sem. hrs.)**  
 CS 131 Programming I: Procedural Methods (3 sem. hrs.)  
 CS 132 Programming II: Advanced Design (3 sem. hrs.)  
 CS 225 Computer Organization and Architecture (3 sem. hrs.)  
 CS 233 Object Oriented Programming (3 sem. hrs.)  
 MATH 111 Calculus I: Introduction to Calculus (4 sem. hrs.)  
 MATH 112 Calculus II: Introduction to Calculus (4 sem. hrs.)  
 MATH 267 Discrete Mathematics (3 sem. hrs.)  
 MPS 402 Senior Seminar in Mathematical and Physical Sciences I (2 sem. hrs.)  
 MPS 403 Senior Seminar in Mathematical and Physical Sciences II (2 sem. hrs.)  
 PHYS 111L Fundamentals of Physics I (4 sem. hrs.)

- **Three of the following (9 sem. hrs.)**

CS 310	Software Engineering (3 sem. hrs.)
CS 322	Algorithms: Design and Analysis (3 sem. hrs.)
CS 341	Linux Systems Administration (3 sem. hrs.)
CS 345	GUI Programming (3 sem. hrs.)
CS 285/385	Topics in Computer Science (3 sem. hrs.)
MATH 301	Applied and Computational Mathematics (3 sem. hrs.)
- **Two courses in mathematics, computer science, or physics above the 100-level. (6-8 sem. hrs.)**

## COMPUTER SCIENCE MINOR

Students majoring in physics or mathematics may minor in computer science. Internships may not be used to fulfill minor requirements. The total number of courses required for the minor is 6 (18 semester hours).

### REQUIRED COURSES

- **All of the following (12 sem. hrs.)**

CS 131	Programming I: Procedural Methods (3 sem. hrs.)
CS 132	Programming II: Advanced Design (3 sem. hrs.)
CS 225	Computer Organization and Architecture (3 sem. hrs.)
MATH 267	Discrete Mathematics (3 sem. hrs.)
- **Two more computer science courses above the 100-level. A course in a related field may be substituted for one of these by permission. (6 sem. hrs.)**

## CREATIVE WRITING CONCENTRATION

See English major: concentration in creative writing.

## CREATIVE WRITING MINOR

Students majoring in English may not minor in creative writing. The total number of courses required for the minor is 6 (18 semester hours).

### REQUIRED COURSES

- **One of the following (3 sem. hrs.)**

ENGL 104	Introduction to Literature (3 sem. hrs.)
ENGL 206	British Literature 1100-1800 (3 sem. hrs.)
- **Two of the following (6 sem. hrs.)**

CREA 271	Short Story Writing (3 sem. hrs.)
CREA 272	Poetry Writing (3 sem. hrs.)
CREA 275	Creative Nonfiction (3 sem. hrs.)
- **One of the following (3 sem. hrs.)**

CREA 371	Advanced Fiction Writing (3 sem. hrs.)
CREA 372	Advanced Poetry Writing (3 sem. hrs.)
CREA 375	Advanced Creative Nonfiction (3 sem. hrs.)
- **Two additional literature courses (6 sem. hrs.)**

## CRIMINAL JUSTICE MAJOR (B.A.)

This major critically examines the social, cultural and individual-level factors which impact crime rates and the formal social control mechanisms (e.g., the police, the courts, and the penal system) charged with reducing these rates. The total number of courses required for the major is 13 (40-42 semester hours).

### REQUIRED COURSES

- **All of the following (28-30 sem. hrs.)**

CRIM 115	Introduction to Criminology (3 sem. hrs.)
CRIM 290/390	Internship in Criminal Justice (2-4 sem. hrs.)
CRIM 301	Criminal Justice (3 sem. hrs.)
CRIM 302	Corrections (3 sem. hrs.)
CRIM 401	Senior Research Seminar (4 sem. hrs.)
MATH 151	Elementary Statistics (3 sem. hrs.)

PSY 101	General Psychology (3 sem. hrs.)
SOC 151	Principles of Sociology (3 sem. hrs.)
SS 294	Research Methods for the Social Sciences (4 sem. hrs.)

- **Four additional courses with at least one from each area (12 sem. hrs.)**

Ethical, Legal and Political Perspectives

INTL 151	Introduction to International Studies (3 sem. hrs.)
PHIL 240	Ethics, Equality and Justice (3 sem. hrs.)
POLS 155	American Politics (3 sem. hrs.)
POLS 230	Democratic Theory (3 sem. hrs.)
POLS 285/385	Topics in Public Policy and Politics (3 sem. hrs.)
POLS 360	The U.S. Judiciary (3 sem. hrs.)

Psychological Perspectives

PSY 227	Abnormal Behavior (3 sem. hrs.)
PSY 235	Forensic Psychology (3 sem. hrs.)
PSY 242	Drugs and Behavior (3 sem. hrs.)

Cultural and Structural Perspectives

SOC 235	Social Deviance (3 sem. hrs.)
SOC 277	Social Inequalities (3 sem. hrs.)

## CRIMINAL JUSTICE MINOR

The minor requires 7 courses (20-23 hours).

### REQUIRED COURSES

- **All of the following (14-16 sem. hrs.)**

CRIM 115	Introduction to Criminology (3 sem. hrs.)
CRIM 290	Internship in Criminal Justice (2-4 sem. hrs.)
CRIM 301	Criminal Justice (3 sem. hrs.)
CRIM 302	Corrections (3 sem. hrs.)
PSY 235	Forensic Psychology (3 sem. hrs.)
- **Electives (two 3 credit courses OR a combination of courses that total 6 sem. hrs.)**

BUS 305	Legal Environment of Business (3 sem. hrs.)
CHEM 105L	Forensic Chemistry (3 sem. hrs.)
CRIM 285/385	Special Topics in Criminal Justice (3 sem. hrs.)
CRIM 390	Advanced Internship in Criminal Justice (2-4 sem. hrs.)
CRIM 399	Independent Study in Criminal Justice (1-3 sem. hrs.)
INTL 151	Introduction to International Studies (3 sem. hrs.)
PHIL 240	Ethics, Equality and Justice (3 sem. hrs.)
POLS 155	American Politics (3 sem. hrs.)
POLS 230	Democratic Theory (3 sem. hrs.)
POLS 285/385	Topics in Public Policy and Politics (3 sem. hrs.)
POLS 320	Liberalism and Its Critics (3 sem. hrs.)
POLS 360	The U.S. Judiciary (3 sem. hrs.)
PSY 227	Abnormal Psychology (3 sem. hrs.)
PSY 242	Drugs and Behavior (3 sem. hrs.)
SOC 235	Social Deviance (3 sem. hrs.)
SOC 277	Social Inequality: Class and Ethnicity (3 sem. hrs.)

## ECONOMICS MINOR

Students majoring in economics and management may not minor in economics.

The total number of courses required for the minor is 8 (24 semester hours).

### REQUIRED COURSES

- **All of the following (18 sem. hrs.)**

BUS 201	Principles of Management (3 sem. hrs.)
ECON 101	Principles of Macroeconomics (3 sem. hrs.)
ECON 102	Principles of Microeconomics (3 sem. hrs.)

ECON 303	Intermediate Microeconomic Theory (3 sem. hrs.)
ECON 306	Intermediate Macroeconomic Theory (3 sem. hrs.)
MATH 151	Elementary Statistics (3 sem. hrs.)
<b>or</b> MATH 251	Mathematical Statistics (3 sem. hrs.)

- **Two additional economics or management courses, at least one of which must be at the 300-level (6 sem. hrs.)**

Either ECON 290 Internship in Economics and Business **or** ECON 390 Advanced Internship in Economics and Business, but not both, can be counted toward the minor.

## ECONOMICS AND MANAGEMENT MAJOR (B.A.)

The goal of the economics and management major is to provide students with thorough knowledge of basic principles, methods of inquiry and awareness of contemporary issues in economics and business. Individual and business decision-making is presented in a domestic and global context aimed at developing students' intellectual curiosity, and analytical and critical capabilities. The curriculum includes core theory courses, cognates emphasizing quantitative skills, and electives in specific fields of the discipline with the conviction that a basic knowledge of economic and business decision-making is essential for numerous purposes. The major is multidisciplinary by nature, serving the needs of other majors including international studies, environmental science, and mathematical and physical sciences.

The total number of courses required for the major is 15 (44-53 semester hours). At least seven of these courses (21 semester hours) must be at the 300-level or above.

### REQUIRED COURSES

- **All of the following (17 sem. hrs.)**

ECON 101	Principles of Macroeconomics (3 sem. hrs.)
ECON 102	Principles of Microeconomics (3 sem. hrs.)
ECON 314	Econometrics (3 sem. hrs.)
ECON 402	Senior Seminar in Economics and Management (4 sem. hrs.)
MATH 111	Calculus I: Introduction to Calculus (or exemption or higher-level course in calculus) (4 sem. hrs.)
- **One of the following (3 sem. hrs.)**

MATH 151	Elementary Statistics (3 sem. hrs.)
MATH 251	Mathematical Statistics (3 sem. hrs.)

### CONCENTRATIONS

The student will choose a concentration in economics or in management.

### ECONOMICS

- **All of the following (15 sem. hrs.)**

BUS 201	Principles of Management (3 sem. hrs.)
ECON 209	Introduction to Political Economy (3 sem. hrs.)
ECON 303	Intermediate Microeconomic Theory (3 sem. hrs.)
ECON 306	Intermediate Macroeconomic Theory (3 sem. hrs.)
ECON 340	History of Economic Analysis (3 sem. hrs.)
- **Four of the following, at least two of which must be at the 300-level, and at least two of which must be in economics or management (8-18 sem. hrs.)**

BUS 201	Principles of Management (if not taken for the core) (3 sem. hrs.)
BUS 202	Principles of Marketing (3 sem. hrs.)
BUS 230	Introduction to Human Resource Management (3 sem. hrs.)
BUS 253	Investment Management and Strategies (3 sem. hrs.)
BUS 305	Legal Environment of Business (3 sem. hrs.)
ECON 233	Economics of Health and Medical Care (3 sem. hrs.)
ECON 255	The Political Economy of Globalization (3 sem. hrs.)
ECON 286	Money, Banking, and Capital Markets (3 sem. hrs.)
ECON 290	Internship in Economics and Business (2-4 sem. hrs.)
ECON 302	Managerial Economics (3 sem. hrs.)
ECON 325	Ecological Economics (3 sem. hrs.)
ECON 326	Energy and the Economy (3 sem. hrs.)
ECON 350	Economics of Developing Countries (3 sem. hrs.)
ECON 385	Topics in Contemporary Economic Problems (for a total of 3 sem. hrs.)

ECON 390	Advanced Internship in Economics and Business (2-4 sem. hrs.)
ECON 399	Independent Study in Economics and Business (1-3 sem. hrs.)
HIST 215	The Growth of Industrial Society, 1750-Present (3 sem. hrs.)
HIST 228	The Making of Modernity, 1815-1914 (3 sem. hrs.)
MATH 305	Operations Research (3 sem. hrs.)
PHIL 114	Logic and Critical Thinking (3 sem. hrs.)
PHYS 111L	Fundamentals of Physics I (4 sem. hrs.)
SOC 277	Social Inequality: Class and Ethnicity (3 sem. hrs.)

## MANAGEMENT

- **The following (12 sem. hrs.)**

BUS 201	Principles of Management (3 sem. hrs.)
ECON 302	Managerial Economics (3 sem. hrs.)
ECON 303	Intermediate Microeconomic Theory (3 sem. hrs.)
ECON 306	Intermediate Macroeconomic Theory (3 sem. hrs.)
- **Both of the following (6 sem. hrs.)**

BUS 213	Principles of Accounting I (3 sem. hrs.)
BUS 214	Principles of Accounting II (3 sem. hrs.)
- **Three of the following, at least one of which must be at the 300-level, and at least one of which must be in economics or management (5-11 sem. hrs.)**

BUS 202	Principles of Marketing (3 sem. hrs.)
BUS 220	International Business (3 sem. hrs.)
BUS 230	Introduction to Human Resource Management (3 sem. hrs.)
BUS 253	Investment Management and Strategies (3 sem. hrs.)
BUS 303	Entrepreneurship and Small Business Management (3 sem. hrs.)
BUS 305	Legal Environment of Business (3 sem. hrs.)
BUS 310	Corporate Finance (3 sem. hrs.)
BUS 385	Topics in Contemporary Business Issues (for a total of 3 sem. hrs.)
ECON 233	Economics of Health and Medical Care (3 sem. hrs.)
ECON 255	The Political Economy of Globalization (3 sem. hrs.)
ECON 286	Money, Banking, and Capital Markets (3 sem. hrs.)
ECON 290	Internship in Economics and Business (2-4 sem. hrs.)
ECON 330	The World Economy: Trade and Finance (3 sem. hrs.)
ECON 390	Advanced Internship in Economics and Business (2-4 sem. hrs.)
ECON 399	Independent Study in Economics and Business (1-3 sem. hrs.)
MATH 300	Probability Theory (3 sem. hrs.)
MATH 305	Operations Research (3 sem. hrs.)

## EDUCATION: INCLUSIVE CHILDHOOD EDUCATION MAJOR (B.S.)

Students who major in Inclusive Childhood Education will be able to teach in both general and special education classrooms, grades 1-6, after successfully completing the required courses and student teaching and passing the required New York State certification exams. This major provides a strong base in current, effective pedagogy rooted in field-based methods courses that develop Wells students into reflective, knowledgeable educators.

### REQUIRED COURSES

- **Education Core Requirements (56 sem. hrs.)**

PSY 101	General Psychology (3 sem. hrs.)
PSY 210	Child Development (3 sem. hrs.)
EDUC 105	Teaching in a Diverse Society (3 sem. hrs.)
EDUC 215	Issues in Multicultural and English Language Learner Education (3 sem. hrs.)
EDUC 216	The Inclusive Classroom (3 sem. hrs.)
EDUC 225	Technology in the Classroom (3 sem. hrs.)
EDUC 226	Building Classroom Community (3 sem. hrs.)
EDUC 301	Primary Literacy and Diverse Learners (3 sem. hrs.)
EDUC 302	Literacy for Diverse Upper Elementary Classrooms (3 sem. hrs.)

*EDUC 301 and 302 must be taken in sequence*

EDUC 304	Inclusive Instruction and Assessment (3 sem. hrs.)
EDUC 307	Teaching Students with Disabilities (3 sem. hrs.)
EDUC 308	Students with Disabilities Practicum (1 sem. hr.)
EDUC 309	Elementary Methods Practicum (1 sem. hr.)

EDUC 350	Elementary Methods: Teaching Social Studies and Science (4 sem. hrs)
EDUC 402	Elementary Methods: Teaching Mathematics (3 sem. hrs)
EDUC 408	Student Teaching Reflective Seminar (3 sem. hrs.) <i>Taken concurrently with student teaching</i>
EDUC 410	Student Teaching: Preparation and Analysis (12 sem. hrs.)

- **One of the following (2-4 sem. hrs.)**

EDUC 290	Internship in Education (2-4 sem. hrs.)
EDUC 390	Internship in Education (2-4 sem. hrs.)

- **Additional Requirements for Certification**

*Multi-Subject Core Requirements:*

In addition to the education core students must complete a minimum of 30 credit hours across the liberal arts. These credit hours may overlap with general college requirements and 6 of these credits may overlap with the chosen minor. The 30 liberal arts credits must address learning in the following areas and be approved by an education faculty advisor:

- Artistic expression
- Humanities
- Concepts in history and social sciences
- A language other than English
- Written analysis and expression
- Scientific and mathematical processes
- Information retrieval
- Communication skills

**Certification-Related Seminars**

New York State teacher certification process requires students to complete the following noncredit workshops, which are taken online for a nominal fee:

EDUC 001	Child Abuse Seminar
EDUC 002	Alcohol and Drug Awareness Seminar
EDUC 003	Violence Prevention and Intervention Seminar
EDUC 004	Harassment Bullying and Discrimination Prevention and Intervention

In addition, fingerprinting must be completed and processed prior to student teaching (fee required).

*New York State Certification Exams:*

- EAS (Educating All Students)
- CST (Content Specialty Test)
  - Multi-Subject CST
  - Teaching Students with Disabilities 1-6 CST
- edTPA (Teacher Performance Assessment)

## EDUCATION: ADOLESCENCE CERTIFICATION (Grades 7-12)

**REQUIRED COURSES**

- **All of the following (53 sem. hrs.)**

EDUC 105	Teaching in a Diverse Society (3 sem. hrs)
EDUC 215	Issues in Multicultural and ELL Classroom (3 sem. hrs)
EDUC 216	The Inclusive Classroom (3 sem. hrs)
EDUC 225	Technology in the Classroom (3 sem. hrs)
EDUC 226	Building Classroom Community (3 sem. hrs)
EDUC 290/390	Education Internship (3 sem. hrs)
EDUC 304	Inclusive Instruction and Assessment (3 sem. hrs)
EDUC 331	Reading and Writing in the Content Areas I (4 sem. hrs)
EDUC 332	Reading and Writing in the Content Areas II (3 sem. hrs)
EDUC 344	Adolescence Methods Practicum I (1 sem. hr)
EDUC 345	Adolescence Methods Practicum II (1 sem. hr)
EDUC 406	Instructional Strategies for Secondary Education (3 sem. hrs)
EDUC 408	Student Teaching Reflective Seminar (3 sem. hrs)
EDUC 410	Student Teaching Prep and Analysis (12 sem. hrs)
PSY 101	General Psychology (3 sem. hrs)
PSY 318	Adolescent Development (3 sem. hrs)

- **Additional Requirements for Certification**

*Multi-Subject Core Requirements:*

In addition to the education core students must complete a minimum of 30 credit hours across the liberal arts. These credit hours may overlap with general college requirements and 6 of these credits may overlap with the chosen minor. The 30 liberal arts credits must address learning in the following areas and be approved by an education faculty advisor:

- Artistic expression
- Humanities
- Concepts in history and social sciences
- A language other than English
- Written analysis and expression
- Scientific and mathematical processes
- Information retrieval
- Communication skills

**Certification-Related Seminars**

New York State teacher certification process requires students to complete the following noncredit workshops, which are taken online for a nominal fee:

EDUC 001	Child Abuse Seminar
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EDUC 003	Violence Prevention and Intervention Seminar
EDUC 004	Harassment Bullying and Discrimination Prevention and Intervention

In addition, fingerprinting must be completed and processed prior to student teaching (fee required).

*New York State Certification Exams:*

- EAS (Educating All Students)
- CST (Content Specialty Test)
  - Multi-Subject CST
  - edTPA (Teacher Performance Assessment)

## EDUCATION MINORS

Students who are interested in education but either do not wish to or do not have time to complete the certification program may minor in education. Students completing the minor alone will have a strong foundation in education but will NOT be eligible for certification. They may, however, use this course work as a basis for graduate school in MAT programs. See the director of elementary and secondary education for further information. All students, including those in the certification program, must declare their education minor no later than the last day of classes of their junior year. For more information on teacher certification see p. 36.

**CHILDHOOD EDUCATION MINOR (Grades 1-6)**

The total number of courses required for the minor is 7 (21 semester hours).

NOTE: Completing the minor alone does not qualify a student for initial certification.

**REQUIRED COURSES**

- **All of the following (18 sem. hrs.)**
  - EDUC 105 Teaching in a Diverse Society (3 sem. hrs.)
  - EDUC 215 Issues in Multicultural and English Language Learner Education (3 sem. hrs)
  - EDUC 216 The Inclusive Classroom (3 sem. hrs.)
  - EDUC 301 Primary Literacy and Diverse Learners (3 sem. hrs.)
  - EDUC 304 Inclusive Instruction and Assessment (3 sem. hrs.)
  - PSY 210 Child Development (3 sem. hrs.)
- **One of the following (3 sem. hrs.)**
  - EDUC 225 Technology in the Classroom (3 sem. hrs)
  - EDUC 226 Building Classroom Community (3 sem. hrs)
  - EDUC 275 Using Children's Literature in the Classroom (3 sem. hrs)

**ADOLESCENCE EDUCATION MINOR (Grades 7-12)**

The total number of courses required for the minor is 7 (22 semester hours).

NOTE: Completing the minor alone does not qualify a student for initial certification.

### **REQUIRED COURSES**

- ***All of the following (19 sem. hrs.)***
  - EDUC 105 Teaching in a Diverse Society (3 sem. hrs.)
  - EDUC 215 Issues in Multicultural and English Language Learner Education (3 sem. hrs)
  - EDUC 216 The Inclusive Classroom (3 sem. hrs.)
  - EDUC 304 Inclusive Instruction and Assessment (3 sem. hrs.)
  - EDUC 331 Reading and Writing in the Content Areas I (4 sem. hrs.)
  - PSY 318 Adolescent Development (3 sem. hrs.)
- ***One of the following (3 sem. hrs.)***
  - EDUC 225 Technology in the Classroom (3 sem. hrs)
  - EDUC 226 Building Classroom Community (3 sem. hrs)

## **ENGLISH MAJOR (B.A.)**

English as a major includes the investigation of texts from British and American literature for their cultural and historical importance, for the manner in which they embody and express literary types and values, and for the ways in which they relate to the lives of those who experience them. The study of literature in all its forms enhances a student's ability to think critically and observe closely. English students practice writing in different forms, including expository, critical, and imaginative. The ability to write clearly and effectively is essential for success in communication with others and in advancing in a field or career. Both literature and writing are a source of lifelong satisfaction which enables students to continue to discover and explore their selves and their place in the world, and thereby lead a richer, fuller, more examined life.

The number of courses required for the major is 13-14 (40-43 semester hours).

### **REQUIRED COURSES**

- ***All of the following (19 sem. hrs.)***
  - ENGL 104 Introduction to Literature (3 sem. hrs.)
  - ENGL 206 British Literature 1100-1800 (3 sem. hrs.)
  - ENGL 215 American Literature and Culture (3 sem. hrs.)
  - ENGL 225 Shakespeare (3 sem. hrs.)
  - ENGL 250 British Literature 1800 to the Present (3 sem. hrs.)
  - ENGL 401 Senior Thesis in English (4 sem. hrs.)

### **CONCENTRATIONS**

The student may choose a concentration in literature or in creative writing.

#### **LITERATURE CONCENTRATION**

- ***One of the following (3 sem. hrs.)***
  - CREA 271 Short Story Writing (3 sem. hrs.)
  - CREA 272 Poetry Writing (3 sem. hrs.)
  - CREA 275 Creative Nonfiction Writing (3 sem. hrs.).
- ***Six of the following (including at least one course from each of the groups) (18 sem. hrs.)***

#### Poetry

- ENGL 219 International Poetry (3 sem. hrs.)
- ENGL 245 The Maker's Craft: Form in Poetry (3 sem. hrs.)
- ENGL 349 American Poetry (3 sem. hrs.)
- ENGL 366 British Poetry (3 sem. hrs.)

#### Prose

- ENGL 204 International Prose (3 sem. hrs.)
- ENGL 302 The American Novel (3 sem. hrs.)
- ENGL 362 The British Novel (3 sem. hrs.)

#### Drama

- ENGL 218 International Drama (3 sem. hrs.)
- ENGL 304 American Drama (3 sem. hrs.)
- ENGL 367 British Drama (3 sem. hrs.)
- OCS 215 London Theatre (3 sem. hrs.)

Theory

ENGL 301	Reading Translations (3 sem. hrs.)
ENGL 380	Writing Literary Criticism (3 sem. hrs.)

**CREATIVE WRITING CONCENTRATION**

- **All of the following (9 sem. hrs.)**

CREA 271	Short Story Writing (3 sem. hrs.)
CREA 272	Poetry Writing (3 sem. hrs.)
CREA 275	Creative Nonfiction (3 sem. hrs.)
- **One course from each of the following categories: (15 sem. hrs.)**

Writing

CREA 371	Advanced Fiction Writing (3 sem. hrs.)
CREA 372	Advanced Poetry Writing (3 sem. hrs.)
CREA 375	Advanced Creative Nonfiction (3 sem. hrs.)

Poetry

ENGL 219	International Poetry (3 sem. hrs.)
ENGL 245	The Maker's Craft: Form in Poetry (3 sem. hrs.)
ENGL 349	American Poetry (3 sem. hrs.)
ENGL 366	British Poetry (3 sem. hrs.)

Prose

ENGL 204	International Prose (3 sem. hrs.)
ENGL 302	The American Novel (3 sem. hrs.)
ENGL 362	The British Novel (3 sem. hrs.)

Drama

ENGL 218	International Drama (3 sem. hrs.)
ENGL 304	American Drama (3 sem. hrs.)
ENGL 367	British Drama (3 sem. hrs.)
OCS 215	London Theatre (3 sem. hrs.)

Theory

ENGL 301	Reading Translations (3 sem. hrs.)
ENGL 380	Writing Literary Criticism (3 sem. hrs.)

**ENGLISH MINOR**

Total number of courses required for the minor is 6 (18-22 semester hours).

**REQUIRED COURSES**

- **One of the following (3 sem. hrs.)**

ENGL 104	Introduction to Literature (3 sem. hrs.)
or ENGL 206	British Literature 1100-1800 (3 sem. hrs.)
- **Five additional English courses**  
*At least two of which must be at the 300 level. One of these courses may be a creative writing course. (15-19 sem. hrs.)*

**ENVIRONMENTAL SCIENCE MAJOR (B.A.)**

The major in environmental science guides students in examination and analysis of the earth and the human-environment interaction, and develops the technical and scientific skills necessary to build a career related to the environment. Required courses in the major examine the following types of questions: What is the nature of the earth and its ecosystems? What is the nature of environmental problems? What is the scientific and technical basis for environmental problem-solving and mitigation of the human impact on planet earth? How are scientific findings used in society's decision-making about environmental resources? How can science and technology help us be better stewards of earth, its ecosystems, and its natural resources?

The number of courses required for the major is 14 (45-50 semester hours). Off-campus study courses may substitute for some of the requirements below.

**REQUIRED COURSES**

- **All of the following (32–34 sem. hrs.)**

BIOL 119L	Ecology and Evolution (4 sem. hrs.)
ENVR 101L	Introduction to Environmental Science (4 sem. hrs.)
ENVR 102L	Conservation of Biodiversity (4 sem. hrs.)
ENVR 131L	Physical Geology (4 sem. hrs.)
ENVR 196	Tutorial in Geographic Information Systems (1 sem. hr.)
ENVR 290/390	Internship in Environmental Science (2-4 sem. hrs)
ENVR 303	Environmental Impact Assessment (3 sem. hrs.)
ENVR 340	Sustainable Agriculture (3 sem. hrs.)
ENVR 403	Senior Thesis in Environmental Science (4 sem. hrs.)
MATH 151	Elementary Statistics (3 sem. hrs.)
or MATH 251	Probability and Statistics (3 sem. hrs.)

- **Area of Specialization**

*Four courses in biology or four courses in chemistry or four courses in physics, as indicated below (13–16 sem. hrs.):*

Biology Specialization

BIOL 130L	Biology of Organisms (4 sem. hrs.)
BIOL 304L	Vertebrate Zoology (4 sem. hrs.)
BIOL 305	Terrestrial Field Biology (3 sem. hrs.)
BIOL 324L	Animal Behavior (4 sem. hrs.)
BIOL 325L	Limnology (4 sem. hrs.)
BIOL 363	Advanced Ecology (3 sem. hrs.)

Chemistry Specialization

CHEM 107L	General Chemistry (4 sem. hrs.)
CHEM 108L	Chemical Analysis (4 sem. hrs.)
CHEM 213L	Organic Chemistry I (4 sem. hrs.)
CHEM 214L	Organic Chemistry II (4 sem. hrs.)
CHEM 301	Physical Chemistry I (3 sem. hrs.)
CHEM 315L	Inorganic Chemistry (4 sem. hrs.)
CHEM 327L	Instrumental Analysis (4 sem. hrs.)

Mathematical and Physical Sciences Specialization

MATH 111	Calculus I: Introduction to Calculus (4 sem. hrs.)
MATH 112	Calculus II: Introduction to Calculus (4 sem. hrs.)
MATH 211	Calculus III: Multivariable Calculus (3 sem. hrs.)
PHYS 106L	Introductory Astronomy (4 sem. hrs.)
PHYS 111L	Fundamentals of Physics I (4 sem. hrs.)
PHYS 212L	Fundamentals of Physics II (4 sem. hrs.)
PHYS 221L	Principles of Electronics (4 sem. hrs.)

**ENVIRONMENTAL SCIENCE MINOR**

The discipline of environmental science is fundamental to efforts to improve the health of planet earth and enhance human well-being. The minor in environmental science introduces students to the tenets of a scientific approach to understanding the human-environment interaction, environmental problems and effective environmental problem-solving; it also equips students with career-ready skills that will complement any major.

The number of courses required for the minor is six (18-20 semester hours).

**REQUIRED COURSES**

- **All of the following (12 sem. hrs.)**

ENVR 101L	Introduction to Environmental Science (4 sem. hrs.)
ENVR 102L	Conservation of Biodiversity (4 sem. hrs.)
ENVR 196	Tutorial in Geographic Information Systems (1 sem. hr.)
ENVR 303	Environmental Impact Assessment (3 sem. hrs.)

- **Two of the following (6–8 sem. hrs.)**

BIOL 119L	Ecology and Evolution (4 sem. hrs.)
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BIOL 130L	Biology of Organisms (4 sem. hrs.)
BIOL 305	Terrestrial Field Biology (3 sem. hrs.)
BIOL 324L	Animal Behavior (4 sem. hrs.)
BIOL 325L	Limnology (4 sem. hrs.)
BIOL 363L	Advanced Ecology (4 sem. hrs.)
ENVR 131L	Physical Geology (4 sem. hrs.)
ENVR 285/285L	Topics in Environmental Science (3–4 sem. hrs.)
ENVR 340	Sustainable Agriculture (3 sem. hrs.)

## FILM AND MEDIA STUDIES MAJOR (B.A.)

As they learn to evaluate works in journalistic and creative nonfiction writing, or in film, advertising and public relations, students reflect their relationship with the culture of the media. Students who complete the major may adopt careers in advertising, public relations, journalism, freelance writing, film criticism, or may choose to enter graduate programs in any of these areas.

Total credit hours for the major are 40.5–43.5; students must take at least 6 courses at the 300 level. Students are strongly urged to choose a minor field. The total number of courses required for the major is 14.

### REQUIRED COURSES

- **All of the following: (22.5-24.5 sem. hrs.)**
  - CS 105 HTML (1.5 sem. hrs.)
  - FMS 101 Introduction to Cinema Studies (3 sem. hrs.)
  - FMS 102 Introduction to Media Studies (3 sem. hrs.)
  - FMS 241 Reading Popular Film (3 sem. hrs.)
  - FMS 270 Writing for the Mass Media (3 sem. hrs.)
  - FMS 290 or 390 Internship in Film and Media Studies (2-4 sem. hrs.)
  - FMS 401 Senior Project in Film and Media Studies (4 sem. hrs.)
  - SOC 228 Social Problems (3 sem. hrs.)
- **At least one course from each of the following areas (15 sem. hrs.)**

#### Applications and Techniques (3 sem. hrs.)

ART 260	Introduction to Darkroom Photography (3 sem. hrs.)
ART 261	Photographic Digital Imaging (3 sem. hrs.)
ART/BKRT 127	Introduction to Graphic Design (3 sem. hrs.)
BKRT 220	Digital Book and Graphic Design (3 sem. hrs.)
BUS 202	Principles of Marketing (3 sem. hrs.)
THEA 338	Methods of Directing (3 sem. hrs.)
THEA 130	Stagecraft (3 sem. hrs.)

#### Writing (3 sem. hrs.)

CREA 275	Creative Nonfiction (3 sem. hrs.)
FMS 285/385	Topics in Writing for the Mass Media (3 sem. hrs.)
JOUR 101	Writing to Be Read (3 sem. hrs.)

#### Film (6 sem. hrs.)

FMS 220	Post-colonial African Cinema (3 sem. hrs.)
FMS 281	Film and Literature (3 sem. hrs.)
FMS 320	Envisioning "The Other" in Film (3 sem. hrs.)
SPAN 204	Conversation and Composition through Film (3 sem. hrs.)
SPAN 370	Literature and Film: Two Ways of Telling a Story (3 sem. hrs.)

#### Cultural and Historical Perspectives (3 sem. hrs.)

ARTH 105	Art of Non-Western Cultures Survey (3 sem. hrs.)
BKRT 225	The History of the Book (3 sem. hrs.)
HIST 335	Popular Culture in Early Modern Europe, 1400-1800 (3 sem. hrs.)
PSY 349	Cognition and Culture (3 sem. hrs.)
SOC 235	Social Deviance (3 sem. hrs.)
SOC 277	Social Inequality: Class and Ethnicity (3 sem. hrs.)
SOC 315	Men and Masculinities (3 sem. hrs.)

SOC 355	Social Movements and Social Change (3 sem. hrs.)
WGS 245	Body Politics (3 sem. hrs.)
WGS 310	Feminist Methodologies: Intersectionalities (3 sem. hrs.)

- **One additional course from the following electives: (3–4 sem. hrs.)**

BUS 303	Entrepreneurship and Small Business Management (3 sem. hrs.)
ENGL 225	Shakespeare (3 sem. hrs.)
ENGL 304	Special Topics in American Drama (3 sem. hrs.)
PHIL 240	Ethics, Equality and Justice (3 sem. hrs.)
POLS 155	American Politics (3 sem. hrs.)
PSY 101	General Psychology (3 sem. hrs.)
PSY 340	Psycholinguistics (3 sem. hrs.)
THEA 100	Introduction to Performing Arts (4 sem. hrs.)
WGS 148	Introduction to Women's and Gender Studies (3 sem. hrs.)

## FIRST NATIONS AND INDIGENOUS STUDIES MINOR

The number of courses required for the minor is 6 (18 semester hours).

The title of the minor, First Nations and indigenous studies, indicates a primary focus on the peoples of North and South America while being inclusive of connections with indigenous peoples in other parts of the world such as Hawaii, Aotearoa (New Zealand), and Australia. The minor is multidisciplinary and reflects a wide range of academic viewpoints originating from psychology, history, anthropology, women's and gender studies, and sociology, among others. Emphasized areas include histories, contemporary issues, environmental justice, social justice, oral and written literature, art, and law.

### REQUIRED COURSES

- **Six courses from the following, including at least one FNIS course:**

ANTH 210	Material Culture and Museums
ANTH 250	Hawaii
ANTH 345	Maya Ethnography
ANTH 359	Pacific and Cultural Survival
FNIS 212	Home Lands
FNIS 285/385	Topics
HIST 372	Colonial Encounters
PSY 330	Indigenous Psychologies
WGS 260	Indigenous Women's Experience

## GENDER STUDIES

See women's and gender studies major; women's and gender studies minor.

## GLOBAL AND INTERNATIONAL STUDIES MINOR

The Global and International Studies Minor examines the complexity of global forces, factors and values, and the structures of the international world. It focuses on the issues of the interconnections among individuals, societies, nation-states and non-governmental organizations and their systems, subsystems and the mechanisms in cultural, social, economic and political processes.

The total number of courses required for the minor is 7 (21 sem. hrs.).

### REQUIRED COURSES

- **All of the following (9 sem. hrs.)**

ANTH 161	Introduction to Anthropology (3 sem. hrs.)
ECON 255	The Political Economy of Globalization (3 sem. hrs.)
INTL 151	Introduction to International Studies (3 sem. hrs.)

- **An additional 4 courses, one from each of the following categories (12 sem. hrs.)**

Economics, International Studies, and Political Science

BUS 220	International Business (3 sem. hrs.)
ECON 209	Introduction to Political Economy (3 sem. hrs.)
INTL 385	Topic in International Studies (3 sem. hrs.)
POLS 267	International Organization (3 sem. hrs.)
POLS 307	Contemporary Political Ideologies (3 sem. hrs.)

POLS 332 Old and New Paradigms in World Politics (3 sem. hrs.)

Anthropology, Sociology, and Psychology

ANTH 359 The Pacific and Cultural Survival (3 sem. hrs.)  
 ANTH 345 Maya Ethnography (3 sem. hrs.)  
 PSY 349 Cognition and Culture (3 sem. hrs.)  
 SOC 277 Social Inequality (3 sem. hrs.)

Environmental Studies

INTL 350 Comparative Environmental Policy Analysis (3 sem. hrs.)  
 PSY 335 Psychology of Environmental Sustainability (3 sem. hrs.)

History, Religion, Philosophy, and the Humanities

HIST 229 20th Century Europe and the World (3 sem. hrs.)  
 HIST 372 Colonial Encounters (3 sem. hrs.)  
 PHIL 325 Belief and Knowledge (3 sem. hrs.)  
 PHIL 300 Philosophy of Religion (3 sem. hrs.)

## HEALTH SCIENCES

See: biological sciences: health sciences.

## HEALTH CARE MANAGEMENT MINOR

Total number of courses required for the minor is 7 (20-22 semester hours).

### REQUIRED COURSES

- **All of the following (17-19 sem. hrs.)**
  - HS 100 Introduction to the Health Sciences (3 sem. hrs.)
  - HS 290/390 Experiential Learning (2-4 sem. hrs.)
  - BUS 201 Principles of Management (3 sem. hrs.)
  - BUS 213 Principles of Accounting I (3 sem. hrs.)
  - ECON 233 Economics of Health and Medical Care (3 sem. hrs.)
  - MATH 151 Elementary Statistics (3 sem. hrs.)
- **One of the following:**
  - BUS 202 Principles of Marketing (3 sem. hrs.)
  - BUS 214 Principles of Accounting II (3 sem. hrs.)
  - BUS 230 Introduction Human Resource Management (3 sem. hrs.)
  - BUS 250 Innovation & Creative Problem Solving (3 sem. hrs.)
  - ECON 101 Principles of Macroeconomics (3 sem. hrs.)
  - PSY 306 Introduction to Organizational Behavior (3 sem. hrs.)

## HISTORY MAJOR (B.A.)

History is the study of human societies, their changes and continuities. It attempts to make sense of the human experience, its complexities and ironies. History is truly interdisciplinary in its enquiry and, of necessity, in the nature of the tools used to understand people in the past. Historians do not merely compile data to tell a sequential tale. To be informed as well as is possible is the prerequisite to the equally important task of interpretation. The goal of historians is thus multifaceted.

Students who choose to major in history receive the training to develop skills in a number of areas. Some of them are how to research effectively; how to write on a complex topic in a way that is generally understandable, not mystifying; how to state one's case orally as well as in written form; to discuss and defend one's point of view drawing from evidence to substantiate and strengthen the argument; how to sift through large bodies of evidence to discover which is of more, which of lesser, importance to making sense of the topic; to develop the immensely valuable faculty of thinking historically, of seeing the fluidity and evolution over time of women, men, their attitudes and values, and the societies they have created and which contain them.

Many of those who majored in history have, over the years, been disproportionately represented in leadership roles in society. The training and skills instilled in history students are designed to develop the individual's capacity for judgment and decision-making.

The number of courses required for the major is 14 (36-42 semester hours). At least six of these courses (18 semester hours) must be at the 300-level or above.

**REQUIRED COURSES**

- **All of the following (7 sem. hrs.)**
  - HIST 375 Writing History: Theory and Practice (3 sem. hrs.)
  - HIST 401 Senior Essay in History (3 sem. hrs.)
  - HIST 402 Senior Seminar in History (1 sem. hr.)
- **One of the following (3 sem. hrs.):**
  - HIST 101 Introduction to World Civilizations, Antiquity to 1650 (3 sem. hrs.)
  - HIST 103 Introduction to World Civilizations, 1650-Present (3 sem. hrs.)
- **At least one of the following (3 sem. hrs.):**
  - HIST 228 The Making of Modernity, 1815-1914 (3 sem. hrs.)
  - HIST 241 Interpreting U.S. History I (3 sem. hrs.)
  - HIST 242 Interpreting U.S. History II (3 sem. hrs.)
- **The following (3 sem. hrs.):**
  - HIST 285 Topics in History (2-4 sem. hrs.)
- **Six additional courses, at least four of which must be at the 300-level or above. Courses counted toward the core may not be counted here. (14-20 sem. hrs.):**
  - HIST 101 Introduction to World Civilizations, Antiquity to 1650 (3 sem. hrs.)
  - HIST 103 Introduction to World Civilizations, 1650-Present (3 sem. hrs.)
  - HIST 210 Women and Gender in Europe, 1550-Present (3 sem. hrs.)
  - HIST 212 Introduction to the History of Science (3 sem. hrs.)
  - HIST 215 The Growth of Industrial Society, 1750-Present (3 sem. hrs.)
  - HIST 228 The Making of Modernity, 1815-1914 (3 sem. hrs.)
  - HIST 229 20th Century Europe and the World (3 sem. hrs.)
  - HIST 241 Interpreting U.S. History I (3 sem. hrs.)
  - HIST 242 Interpreting U.S. History II (3 sem. hrs.)
  - HIST 245 Civil War and Reconstruction (3 sem. hrs.)
  - HIST 290 Internship in History (2-4 sem. hrs.)
  - HIST 310 Colonial and Revolutionary America (3 sem. hrs.)
  - HIST 325 The African American Experience (3 sem. hrs.)
  - HIST 327 The Gilded Age and Progressive Era (3 sem. hrs.)
  - HIST 328 The Early American Republic (3 sem. hrs.)
  - HIST 330 The Enlightenment and the French Revolution (3 sem. hrs.)
  - HIST 335 Popular Culture in Early Modern Europe, 1400–1800 (3 sem. hrs.)
  - HIST 357 Modern America (3 sem. hrs.)
  - HIST 360 History of American Feminism (3 sem. hrs.)
  - HIST 361 Voices of African-American Women (3 sem. hrs.)
  - HIST 372 Colonial Encounters (3 sem. hrs.)
  - HIST 385 Topics in History (2-4 sem. hrs.)
  - HIST 390 Advanced Internship in History (2-3 sem. hrs.)
  - HIST 399 Independent Study in History (1-3 sem. hrs.)
- **Two courses with significance for the study of history from the following selection of courses in related fields (6 sem. hrs.)**
  - ARTH 255 A Survey of Renaissance Art (3 sem. hrs.)
  - DANC 316 Dance History (3 sem. hrs.)
  - ECON 340 History of Economic Analysis (3 sem. hrs.)
  - ENGL 215 Survey of American Literature (3 sem. hrs.)
  - ENGL 362 The British Novel (3 sem. hrs.)
  - MUS 112 Listening: A Survey of Western Music (3 sem. hrs.)
  - PHIL 230 Ancient Philosophy (3 sem. hrs.)
  - PHIL 325 Belief and Knowledge (3 sem. hrs.)
  - POLS 155 American Politics (3 sem. hrs.)
  - POLS 332 Old and New Paradigms in World Politics (3 sem. hrs.)
  - RELG 255 Islamic Civilization and Culture (3 sem. hrs.)
  - RELG 263 The Hebrew Bible and Jewish Tradition (3 sem. hrs.)
  - RELG 264 The New Testament and Early Christianity (3 sem. hrs.)
  - RELG 269 History, Myth and Religion (3 sem. hrs.)
  - RELG 275 Religions of Asia (3 sem. hrs.)
  - SOC 277 Social Inequality: Class and Ethnicity (3 sem. hrs.)
  - THEA 315 Theatre History (3 sem. hrs.)
  - WGS 385 Topics in Women's and Gender Studies (3 sem. hrs.)

## HISTORY MINOR

Total number of courses required for the minor is 6 (18 semester hours).

### REQUIRED COURSES

- **The following (18 sem. hrs.):**  
 HIST 375 Writing History: Theory and Practice (3 sem. hrs.)  
 Five additional history courses involving some introductory and some advanced work to be arranged with members of the department (15 sem. hrs.)

## HOLISTIC HEALTH STUDIES MINOR

The minor in Holistic Health Studies prepares students for careers in both mainstream and alternative health professions within the context of a liberal arts education. Through intensive hands-on practice, theoretical analysis and research, reflective writing, and internship(s), students focus on sustainable, life-long health, developing self-awareness and engagement with community while learning marketable skills. Students completing the Holistic Health Studies minor will build a foundation for further study, working toward such careers as: physical therapist, personal trainer, massage therapist, dance/yoga instructor, athletic coach, nutritionist, or wellness coach.

### REQUIRED COURSES

- **All of the following (9-11 sem. hrs.):**  
 HHS 100 Introduction to Holistic Health Studies (3 sem. hrs.)  
 BIOL 214L Anatomy and Physiology I (4 sem. hrs.)  
 HHS 290/390 Internship (2-4 sem. hrs.)
- **One of the following (.5-3 sem. hrs.):**  
 HS 100 Introduction to Health Sciences (3 sem. hrs.)  
 PE 190 Nutrition and Women's Health (1 sem. hrs.)  
 PE 105 Meditation for Stress Reduction (.5 sem. hrs.)
- **One of the following (3 sem. hrs.):**  
 PSY 206 Health Psychology (3 sem. hrs.)  
 PSY 275 Positive Psychology (3 sem. hrs.)  
 PSY 338 Psychotherapy (3 sem. hrs.)  
 PSY 342 Biological Bases of Behavior (3 sem. hrs.)
- **Any combination of the following for 4-5 credits:**  
 PE 123 Yoga (.5 sem. hrs.)  
 PE 223 Intensive Yoga (.5 sem. hrs.)  
 DANC 205 Modern Dance Technique I (2 sem. hrs.)  
 DANC 206 Ballet Technique I (1 sem. hrs.)  
 DANC 305 Modern Dance Technique II (2 sem. hrs.)  
 DANC 306 Ballet Technique II (2 sem. hrs.)
- **One of the following (2-4 sem. hrs.):**  
 PHIL 331 Mind (3 sem. hrs.)  
 PSY 330 Indigenous Psychologies (3 sem. hrs.)  
 WGS 245 Body Politics (3 sem. hrs.)

## INCLUSIVE CHILDHOOD EDUCATION MAJOR

See education: inclusive childhood major.

## INDIGENOUS STUDIES MINOR

See first nations and indigenous studies minor.

## INDIVIDUALIZED MAJOR

Students may propose a self-designed individualized major if they have an educational objective that would be better served than by pursuing one of the established majors at Wells College or by pursuing an established major and minor. Each individualized major is expected to meet the philosophical and educational goals of Wells College and to afford the student maximum exposure to the breadth and depth of a liberal education as well as an opportunity to undertake advanced work in an area

of special interest. The individualized major must have a clear focus, and at least two disciplines must be substantially represented. The Curriculum Committee will approve or reject these programs.

**Regulations for Individualized Majors:** The proposed individualized major must have a minimum of 36 semester hours, a maximum of 45 semester hours on one discipline, and a maximum of 65 semester hours overall, including the senior essay/project, IM 401 (4 semester hours). It must include a minimum of 18 semester hours of work at the 300-level or above. The minimum required cumulative GPA at the time of application is 2.7.

## INTERNATIONAL STUDIES MAJOR (B.A.)

The major in international studies introduces students to contemporary international systems, the complex political, economic, environmental and cultural factors that affect relations among nation-states and peoples globally. Students majoring in international studies will acquire a knowledge of particular global and international issues and paradigms, as well as the ability to work effectively, innovatively, and creatively, in at least two geo-political and cultural areas of the world. Familiarity with a language other than ones native tongue and a balanced cultural knowledge are important components of this major. The major is designed to prepare Wells students to assume professional roles in our complex global environment.

Beyond courses essential to the core of International Studies, the student must take several courses that will give her/him an understanding of global issues and systems. She/he is also required to take courses that provide an understanding and appreciation of cultures and languages of a specific region. Students must take 6 courses at the 300 level. Students must work closely with their advisor to plan a curriculum that makes sense for the area in which s/he wishes to specialize.

The number of courses required for the major is 13 (33-34 semester hours).

### REQUIRED COURSES

- **All of the following (12 sem. hrs.)**

*CORE COURSES IN INTERNATIONAL STUDIES*

INTL 151	Introduction to International Studies (3 sem. hrs.)
INTL 290/390	Internship in International Studies (3-4 sem.hrs)
INTL 402	Senior Seminar in International Studies (4 sem. hrs.)
OCS 271	Cross-Cultural Preparation (.5 sem. hr.)
OCS 272	Cross-Cultural Reflection (.5 sem. hr.)
POLS 210	The United Nations Simulation (1 sem. hr.)

- **Three of the following, at least two courses must be at the 300 level (9 sem. hrs.)**

*GLOBAL SYSTEMS AND ISSUES*

ANTH 161	Introduction to Anthropology (3 sem. hrs.)
ARTH 105	Art of Non-Western Cultures Survey (3 sem. hrs.)
ECON 209	Introduction to Political Economy (3 sem. hrs.)
ECON 255	The Political Economy of Globalization (3 sem. hrs.)
ECON 330	World Economy (3 sem. hrs.)
ECON 350	Economy of Developing Nations (3 sem. hrs.)
HIST 103	History of the World Civ 1650-Present (3 sem. hrs.)
INTL 350	Comparative Environmental Policy (3 sem. hrs.)
POLS 262	Politics in Developing Nations (3 sem. hrs.)
POLS 267	International Organizations (3 sem. hrs.)
POLS 320	Liberalism and Its Critics (3 sem. hrs.)
POLS 332	Old and New Paradigms in World Politics (3 sem. hrs.)
POLS 355	Approaches to International Relations (3 sem. hrs.)
POLS 365	Government and Politics in Industrialized Nations

- **Geo-Political and Cultural Areas: These courses provide social and cultural understandings (12 sem. hrs.):**

Students must take two courses from two of the following categories. At least one course should be at the 300 level. The language in which s/he demonstrates or reaches 200-level skills in (see below) should be prevalent in one of these areas. Students must work closely with their advisors to develop a curriculum that makes sense for the region in which they specialize. Courses taken during the semester immersion (see below) may substitute for courses in this section.

Africa

FMS 220	Post-Colonial African Cinema (3 sem. hrs.)
INTL 160	Africana Studies (3 sem. hrs.)
POLS 268	Politics of Predominantly Black Nations (3 sem. hrs.)

Asia

ANTH 359	Pacific and Cultural Survival (3 sem. hrs.)
POLS 340	Politics of the Emerging Nations in Asia (3 sem. hrs.)
RELG 275	Religions of Asia (3 sem. hrs.)

Europe

ENGL 250	British Literature 1800 to Present (3 sem. hrs.)
HIST 210	Women and Gender in Europe 1550 to present (3 sem. hrs.)

Indigenous

ANTH 345	Maya Ethnology (3 sem. hrs.)
ANTH 359	Pacific and Cultural Survival (3 sem. hrs.)
FNIS 212	Home Lands (3 sem. hrs.)
PSY 330	Indigenous Psychologies (3 sem. hrs.)
RELG 330	Native Americans and the Environment (3 sem. hrs.)
WGS 260	Indigenous Women's Experiences (3 sem. hrs.)

Latin America and Caribbean

HUM 360	Latin American Literature, Revolution and History (3 sem. hrs.)
HUM 378	Women and Literature in Latin America (3 sem. hrs.)
SPAN 385	Topics (if relevant) (3 sem. hrs.)

- **Language:**

Wells College requires two language courses or placement into 200-level language courses through examination. For International Studies students this language must be prevalent in one of the regions in which they wish to specialize. Bilingual students must demonstrate skills at the 200-level in a language other than English.

- **Semester Immersion:**

International studies majors must study for one semester in one of the regions s/he is specializing in. Classes taken while in that region may substitute for classes in the Geo-political and Cultural Areas listed above. Be sure to consult with your advisor for appropriate semester-long immersion experiences.

Nota Bene: International studies students are highly encouraged to write their senior theses on a topic related to their geo-political region of speciality.

## INTERNATIONAL STUDIES MINOR

See global and international studies minor.

## JOURNALISM MINOR

As the influence of media moves from the page to the internet, writing and stylistic skills become even more important. The foundation of the Journalism minor is a introductory course in media theory and its application, an writing course which emphasizes formal conventions and clarity, followed by two writing attentive workshops. Other courses allow students to explore other media writing opportunities or to broaden the scope of their writing expertise by applying that skill and methodology to real-world problems.

The number of courses required for the minor is 8 (21-22 semester hours).

### REQUIRED COURSES

- **All of the following (13 sem. hrs.):**

FMS 101	Introduction to Cinema Studies (3 sem. hrs.)
FMS 270	Writing for the Mass Media (3 sem. hrs.)
JOUR 101	Writing to be Read (3 sem. hrs.)
JOUR 301	Projects in Journalism (3 sem. hrs.)
WLLS 121	Research Tools and Skills (1 sem. hr.)
- **One of the following (2-4 sem. hrs.):**

CREA 275	Creative Nonfiction (3 sem. hrs.)
JOUR 290/390	Internship in Journalism (2-4 sem. hrs.)
- **One of the following (3 sem. hrs.):**

ART 260	Introduction to Photography (3 sem. hrs.)
ART 261	Photographic Digital Imaging (3 sem. hrs.)
ART/BKRT 127	Introduction to Graphic Design (3 sem. hrs.)
- **One of the following (3 sem. hrs.):**

HIST 357	Modern America (3 sem. hrs.)
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PHIL 240	Ethics, Equality and Justice (3 sem. hrs.)
POLS 155	American Politics (3 sem. hrs.)
SOC 228	Social Problems (3 sem. hrs.)
SOC 355	Social Movements and Social Change (3 sem. hrs.)

## LITERATURE

See majors in English: concentration in literature.

## MANAGEMENT MAJOR

See economics and management major: concentration in management.

## MANAGEMENT MINOR

Students majoring in economics and management may not minor in management. The total number of courses required for the minor is 8 (22-27 semester hours).

### REQUIRED COURSES

- All of the following (15 sem. hrs.)**

ECON 101	Principles of Macroeconomics (3 sem. hrs.)
ECON 102	Principles of Microeconomics (3 sem. hrs.)
BUS 201	Principles of Management (3 sem. hrs.)
ECON 302	Managerial Economics (3 sem. hrs.)
MATH 151	Elementary Statistics (3 sem. hrs.)
or MATH 251	Mathematical Statistics (3 sem. hrs.)
- Students will choose three additional courses from the following list. At least two of these courses must be at the 300-level. (7-12 sem. hrs.)**

BUS 202	Principles of Marketing (3 sem. hrs.)
BUS 213	Principles of Accounting I (3 sem. hrs.)
BUS 214	Principles of Accounting II (3 sem. hrs.)
BUS 220	International Business (3 sem. hrs.)
BUS 230	Introduction to Human Resource Management (3 sem. hrs.)
BUS 253	Investment Management and Strategies (3 sem. hrs.)
BUS 303	Entrepreneurship and Small Business Management (3 sem. hrs.)
BUS 305	Legal Environment of Business (3 sem. hrs.)
BUS 310	Corporate Finance (3 sem. hrs.)
BUS 385	Topics in Contemporary Business Issues (for a total of 3 sem. hrs.)
ECON 286	Money, Banking, and Capital Markets (3 sem. hrs.)
ECON 290	Internship in Economics and Business (2-4 sem. hrs.)
ECON 303	Intermediate Microeconomics (3 sem. hrs.)
ECON 306	Intermediate Macroeconomic Theory (3 sem. hrs.)
ECON 314	Econometrics (3 sem. hrs.)
ECON 330	The World Economy: Trade and Finance (3 sem. hrs.)
ECON 390	Advanced Internship in Economics and Business (2-4 sem. hrs.)
MATH 305	Operations Research (3 sem. hrs.)

Either ECON 290 Internship in Economics and Business or ECON 390 Advanced Internship in Economics and Business, but not both, can be counted toward the minor.

## MARKETING MINOR

An interdisciplinary course of study for students who are interested in, or preparing for, a career in marketing (management, marketing and sales, accounting, media and advertising, branding and consumer behavior). Students who major in business may not minor in marketing. The total number of courses required for the marketing minor is 7 (20-22 sem. hrs).

### REQUIRED COURSES

- All of the following (15 sem. hrs.)\***

BUS 100	Principles of Business
BUS 201	Principles of Management
BUS 202	Principles of Marketing
BUS 204	Business Analytics
BUS 302	Brand Management

- **Two of the following (5-7 sem. hrs.)\***

ART 127	Introduction to Graphic Design
ART 261	Photographic Digital Imaging
ART 390	Internship in Studio Art (2-4 sem. hrs)
ARTH 285	Topics in Art History
BUS 213	Principles of Accounting I
BUS 250	Business Strategy
BUS 360	Strategic Marketing and e-Commerce
BUS 368	Sales and Sales Management
ECON 101	Principles of Macroeconomics
ECON 102	Principles of Microeconomics
FMS 101	Introduction to Cinema Studies
PSY 370	Sensation and Perception
SOC 331	Mass Media and Society
THEA 201	Arts Management
VART 315	Professional Visual Arts Practices

\* all courses are 3 semester hours except where noted.

## MATHEMATICAL AND PHYSICAL SCIENCES MAJORS

The majors in mathematical and physical sciences combine purely logical and analytical reasoning, as exemplified by mathematics and computer science, with the study of nature at its most fundamental, the science of physics.

In the past, human curiosity about the phenomena of science and engineering has spurred the creation of new mathematics. Today, this dialogue is not only between mathematics and the physical sciences, but includes economics, the social sciences, and research into artificial intelligence. Computer research is yielding powerful new methods of analysis and visualization, with significant impact on mathematics and the physical sciences. The way is now being paved for a similar computer-spurred revolution in the rest of the liberal arts.

The student who chooses one of the majors in mathematical and physical sciences will receive well-rounded yet intensive preparation for a career or postgraduate work. A major in physics prepares students for professional training in engineering (see Wells College's articulation programs); a major in mathematics or computer science with additional work in economics prepares students for careers in business.

## MATHEMATICS MAJOR (B.A.)

The number of courses required for the major is 14 (43-46 semester hours). At least four of these courses (12 semester hours) must be at the 300-level or above. Internships may not be used to fulfill major requirements.

### REQUIRED COURSES

- **All of the following (25 sem. hrs.)**

CS 131	Programming I: Procedural Methods (3 sem. hrs.)
MATH 111	Calculus I: Introduction to Calculus (4 sem. hrs.)
MATH 112	Calculus II: Introduction to Calculus (4 sem. hrs.)
MATH 212	Linear Algebra (3 sem. hrs.)
MATH 267	Discrete Mathematics (3 sem. hrs.)
MPS 402	Senior Seminar in Mathematical and Physical Sciences I (2 sem. hrs.)
MPS 403	Senior Seminar in Mathematical and Physical Sciences II (2 sem. hrs.)
PHYS 111L	Fundamentals of Physics I (4 sem. hrs.)
- **One of the following (3 sem. hrs.)**

MATH 312	Real Analysis (3 sem. hrs.)
MATH 313	Abstract Algebra (3 sem. hrs.)
- **Two of the following (6 sem. hrs.)**

MATH 211	Calculus III: Multivariable Calculus (3 sem. hrs.)
MATH 213	Ordinary Differential Equations and Applications (3 sem. hrs.)
MATH 251	Mathematical Statistics (3 sem. hrs.)
MATH 300	Probability Theory (3 sem. hrs.)
MATH 301	Applied and Computational Mathematics (3 sem. hrs.)

MATH 305	Operations Research (3 sem. hrs.)
MATH 312	Real Analysis (if not taken above) (3 sem. hrs.)
MATH 313	Abstract Algebra (if not taken above) (3 sem. hrs.)

- **Three of the following (9 sem. hrs.)**

Courses in mathematics, computer science, or physics above the 100-level (3-4 sem. hrs.), or	
CHEM 301	Physical Chemistry (3 sem. hrs.)
CS 132	Programming II: Advanced Design (3 sem. hrs.)
ECON 314	Econometrics (3 sem. hrs.)

## MATHEMATICS MINOR

Students majoring in physics or computer science may minor in mathematics. Internships may not be used to fulfill minor requirements.

The total number of courses required for the minor is 6 (20 semester hours).

### REQUIRED COURSES

- **All of the following (20 sem. hrs.)**

MATH 111	Calculus I: Introduction to Calculus (4 sem. hrs.)
MATH 112	Calculus II: Introduction to Calculus (4 sem. hrs.)
Four more mathematics courses above the 100-level (12 sem. hrs.)	

## MUSEUM STUDIES MINOR

This interdisciplinary program provides an exploration of theoretical, historical, and applied knowledge pertaining to museum management and programming. Given the broad relevance of Museum Studies skills, students may approach the minor from a variety of disciplines, with particular parallels with social and physical sciences, history, and art. Total courses required is six.

### REQUIRED COURSES

- **Introduction to Museum Studies:**

MSEU 100	Introduction to Museum Studies (3 sem. hrs.)
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- **Management Skills (one of the following):**

BUS 201	Principles of Management (3 sem. hrs.)
BUS 203	Social Entrepreneurship (3 sem. hrs.)
BUS 303	Entrepreneurship and Small Business Management (3 sem. hrs.)
THEA 201	Arts Management (3 sem. hrs.)

- **Education Skills:**

EDU 105	Teaching in a Diverse Society (3 sem. hrs.)
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- **Conservation and Presentation Skills (one of the following):**

ART 118	Three-Dimensional Design (3 sem. hrs.)
ART 260	Introduction to Darkroom Photography (3 sem. hrs.)
ART 261	Photographic Digital Imaging (3 sem. hrs.)
ART/BKRT 127	Introduction to Graphic Design (3 sem. hours)
BKRT 115	Hand Bookbinding I (3 sem. hrs.)
BKRT 220	Digital Book and Graphic Design (3 sem. hrs.)
THEA 224	Production Practical (1-3 sem. hrs.)
THEA 325	Production Practical (1-3 sem. hrs.)
VART 315	Professional Visual Arts Practices (3 semester hrs.)

- **Local and Global Perspectives of History, Art, and the Museum (one of the following):**

ANTH 280	World Archaeology (3 semester hrs.)
EDU 215	Issues in Multicultural and English Lang. Learner Education (3 semester hrs.)
HIST 357	Modern America (3 semester hrs.)
HIST 375	Writing History: Theory and Practice (3 semester hrs.)
OCS 110	January at the Arts Students League—New York City (3 semester hrs.)
OCS 215	London Theatre (3 semester hrs.)
OCS 300	The Anthropological Experience in Hawaii (3 semester hrs.)
OCS 305	The Anthropological Experience in Belize (3 semester hrs.)

One OCS course from one of the Wells College Programs and Approved Programs (with permission of the museum studies minor coordinator(s)). Examples include, but are not limited to:

## Florence Program-

ART 230: The World of Museums: Museology (3 sem. hrs.)

ART 360: Museum Experience (3 sem. hrs.)

ART 450: Museum Education (3 sem. hrs.)

ART 460: Museum: Ethics and the Law (3 sem. hrs.)

- **Internship experience at one or more museum, art gallery, archaeological lab, or archival library:**  
MSEU 290/390 Internship in Museum Studies (2-4 sem. hrs.)

## PHILOSOPHY MAJOR (B.A.)

The major in philosophy focuses on developing rigorously critical and creative thinking across a wide range of issues, from the purely theoretical to the specific and practical, from such questions as the nature of objectivity to whether meat-eating is morally permissible.

It emphasizes problem-solving, methods for resolving conflicting positions, and cultivation of the moral imagination and expansion of human sympathies. It also advances understanding and appreciation of relationships between the various disciplines and fields of study. It accomplishes these goals by means of a combination of historical, analytical, and synthesizing studies. This kind of philosophical work prepares students for a variety of positions that call for clear, rigorous, creative, and humane analysis and judgment.

Fifteen courses (45 semester hours) are needed to complete the major. At least five courses (15 semester hours) must be taken at the 300-level or above.

### REQUIRED COURSES

- **All of the following (24 sem. hrs.)\***

PHIL 100	Philosophy
PHIL 331	Mind
PHIL 402	Research and Thesis in Philosophy
PHIL 114 or PHIL 120	Logic and Critical Thinking Creativity and the Irrational
PHIL 230 or PHIL 235	Ancient Philosophy Modern and Postmodern Philosophy
PHIL 240 or PHIL 340	Ethics, Equality and Justice Ethics and the Environment
PHIL 300 or PHIL 325	Philosophy of Religion Belief and Knowledge
PHIL 329 or PHIL 251	Philosophy of Art Philosophy, Film and Popular Culture

\* Each course listed is 3 semester hours.

- **Seven additional elective courses (21 sem. hrs)**

Three of the seven courses must be in philosophy or religion (with course codes beginning with PHIL or RELG).

Students are encouraged to take courses related to philosophy in their remaining electives, subject to philosophy faculty approval.

## PHILOSOPHY AND RELIGION MINOR

The minor in philosophy and religion is an integrated selection of courses designed to underscore the importance of free inquiry, critical reflection, and reasoned discourse in the interchange of ideas and issues between these areas.

The total number of courses required for the minor is 7 (21 semester hours).

**REQUIRED COURSES**

- **All of the following (12 sem. hrs.)**
  - PHIL 100 Philosophy (3 sem. hrs.)
  - PHIL 300 Philosophy of Religion (3 sem. hrs.)
  - PHIL 325 Belief and Knowledge (3 sem. hrs.)
  - RELG 100 Gods and Creation: East and West (3 sem. hrs.)
- **Three additional courses from the following (9 sem. hrs.)**
  - ANTH 222 Anthropology, Religion and Colonialism (3 sem. hrs.)
  - PHIL 240 Ethics, Equality and Justice (3 sem. hrs.)
  - PHIL 245 Meaning (3 sem. hrs.)
  - RELG 269 History, Myth and Religion (3 sem. hrs.)
  - RELG 275 Religions of Asia (3 sem. hrs.)
  - RELG 321 Faith and Post-Modern Culture (3 sem. hrs.)
  - RELG 375 Body and Soul: From Antiquity to Post-Modernity (3 sem. hrs.)
  - WGS 245 Body Politics (3 sem. hrs.)

**PHYSICS MAJOR (B.A.)**

The number of courses required for the major is 17 (54-58 semester hours). At least four of these courses (12 semester hours) must be at the 300-level or above. Internships may not be used to fulfill major requirements.

**REQUIRED COURSES**

- **All of the following (32 sem. hrs.)**
  - MATH 111 Calculus I: Introduction to Calculus (4 sem. hrs.)
  - MATH 112 Calculus II: Introduction to Calculus (4 sem. hrs.)
  - MATH 211 Calculus III: Multivariable Calculus (3 sem. hrs.)
  - MATH 213 Ordinary Differential Equations and Applications (3 sem. hrs.)
  - MPS 402 Senior Seminar in Mathematical and Physical Sciences I (2 sem. hrs.)
  - MPS 403 Senior Seminar in Mathematical and Physical Sciences II (2 sem. hrs.)
  - PHYS 111L Fundamentals of Physics I (4 sem. hrs.)
  - PHYS 212L Fundamentals of Physics II (4 sem. hrs.)
  - PHYS 302 Modern Physics (3 sem. hrs.)
- **Either of the following (3-4 sem. hrs.)**
  - CHEM 107L General Chemistry (4 sem. hrs.)
  - CS 131 Programming I: Procedural Methods (3 sem. hrs.)
- **Three of the following (9-10 sem. hrs.)**
  - CHEM 301 Physical Chemistry I (3 sem. hrs.)
  - CS 132 Programming II: Advanced Design (3 sem. hrs.)
  - PHYS 221L Principles of Electronics (4 sem. hrs.)
  - PHYS 307 Special Relativity and Intermediate Quantum Mechanics (3 sem. hrs.)
- **Two of the following (6-7 sem. hrs.)**

Courses in mathematics, computer science, or physics above the 100-level, or

  - CHEM 301 Physical Chemistry (3 sem. hrs.)
  - CS 132 Programming II: Advanced Design (3 sem. hrs.)
  - PHYS 221L Principles of Electronics (4 sem. hrs.)
  - PHYS 307 Special Relativity and Intermediate Quantum Mechanics (3 sem. hrs.)
  - PHYS 340 Experimental Physics (3 sem. hrs.)
- **One of the following (3-4 sem. hrs.)**

Any course in computer science, mathematics or physics above the 100-level.

**PHYSICS MINOR**

Students majoring in computer science or mathematics may minor in physics. Internships may not be used to fulfill minor requirements.

The total number of courses required for the minor is 6 (21-22 semester hours).

**REQUIRED COURSES**

- **All of the following (21-22 sem. hrs.)**  
 MATH 112      Calculus II: Introduction to Calculus (4 sem. hrs.)  
 PHYS 111L      Fundamentals of Physics I (4 sem. hrs.)  
 PHYS 212L      Fundamentals of Physics II (4 sem. hrs.)  
 PHYS 302      Modern Physics (3 sem. hrs.)  
 Two more physics courses above the 100-level (6-7 sem. hrs.)

**POLITICAL SCIENCE MAJOR (B.A.)**

At the heart of political science analysis is the question of the struggle for power. Thus, the major exposes students to changing paradigms and schools of thought centered on how institutional and individual power is gained, organized, used, lost or abused. The major introduces students to the various methods, concerns, and analytical issues in the basic subfields of the discipline: American politics, comparative politics, international relations, and political theory.

In this major, students will acquire broad skills regarding the analysis of, and critical knowledge about: the agencies, functions and structures of the institutions of power; the nature of political behavior; and the principles and processes of governance. It prepares students for careers in government, law, development, non-governmental organizations, educational institutions, and research areas.

Students can earn academic credit for internships in a range of settings such as the United Nations, multinational corporations, transnational financial institutions, cultural and political organizations, the White House, Capitol Hill, law offices and courts, political campaigns, and social service agencies. All students majoring in political science are encouraged to take part in a study abroad or exchange program to further broaden their academic experience.

The total number of courses required for the major in political science is 14 (43-45 semester hours).

**REQUIRED COURSES**

- **All of the following (22-24 sem. hrs.)**  
 INTL 151      Introduction to International Studies (3 sem. hrs.)  
 POLS 155      American Politics (3 sem. hrs.)  
 POLS 390      Internship in Political Science (2-4 sem. hrs.)  
 POLS 401      Senior Seminar and Thesis in Political Science (4 sem. hrs.)  
 SS 294      Research Methods for the Social Sciences (4 sem. hrs.)  
 Two additional courses from any subfield listed below; one course must be at the 300-level (6 sem. hrs.)
- **One of the following courses in American Politics subfield (3 sem. hrs.)**  
 POLS 235      The U.S. Congress (3 sem. hrs.)  
 POLS 255      American Parties and Elections (3 sem. hrs.)  
 POLS 345      Public Opinion (3 sem. hrs.)  
 POLS 360      The U.S. Judiciary (3 sem. hrs.)
- **One of the following courses in Comparative Politics subfield (3 sem. hrs.)**  
 INTL 350      Comparative Environmental Policy Analysis (3 sem. hrs.)  
 POLS 262      Politics in Developing Countries (3 sem. hrs.)  
 POLS 268      Comparative Gov & Politics: Cases of Predominantly Black Nations (3 sem. hrs.)  
 POLS 340      Politics of the Emerging Nations in Asia (3 sem. hrs.)  
 POLS 365      Governments and Politics in Industrialized Countries (3 sem. hrs.)
- **One of the following courses in Political Theory subfield (3 sem. hrs.)**  
 POLS 230      Democratic Theory (3 sem. hrs.)  
 POLS 307      Contemporary Political Ideologies (3 sem. hrs.)  
 POLS 320      Liberalism and Its Critics (3 sem. hrs.)  
 Other relevant course from philosophy with permission of department chair
- **One of the following courses in World Politics subfield (3 sem. hrs.)**  
 POLS 267      International Organization (3 sem. hrs.)  
 POLS 332      Old and New Paradigms in World Politics (3 sem. hrs.)  
 POLS 355      Approaches to International Relations (3 sem. hrs.)
- **Three relevant courses from related disciplines (9 sem. hrs.)**  
Anthropology  
 ANTH 222      Anthropology, Religion and Colonialism (3 sem. hrs.)

ANTH 270	The Social Science of Food (3 sem. hrs.)
<u>Business</u>	
BUS 203	Social Entrepreneurship (3 sem. hrs.)
BUS 202	Principles of Marketing (3 sem. hrs.)
BUS 305	Legal Environment of Business (3 sem. hrs.)
<u>Economics</u>	
ECON 255	The Political Economy of Globalization (3 sem. hrs.)
ECON 233	Economics of Health and Medical Care (3 sem. hrs.)
ECON 325	Ecological Economics (3 sem. hrs.)
ECON 326	Energy and the Economy (3 sem. hrs.)
ECON 350	Economics of Developing Countries (3 sem. hrs.)
<u>Film and Media Studies</u>	
FMS 101	Introduction to Cinema Studies (3 sem. hrs.)
<u>History</u>	
HIST 241	Interpreting U.S. History I (3 sem. hrs.)
HIST 242	Interpreting U.S. History II (3 sem. hrs.)
HIST 215	The Growth of Industrial Society, 1750-Present (3 sem. hrs.)
HIST 228	The Making of Modernity, 1815-1914 (3 sem. hrs.)
<u>International Studies</u>	
INTL 350	Comparative Environmental Policy Analysis (3 sem. hrs.)
<u>Mathematics</u>	
MATH 151	Elementary Statistics (3 sem. hrs.)
<u>Philosophy</u>	
PHIL 240	Ethics, Equality and Justice (3 sem. hrs.)
<u>Psychology</u>	
PSY 224	Social Psychology (3 sem. hrs.)
PSY 214	The Psychology of Women (3 sem. hrs.)
PSY 330	Indigenous Psychologies (3 sem. hrs.)
PSY 306	Organizational Behavior (3 sem. hrs.)
PSY 335	Psychology of Environmental Sustainability (3 sem. hrs.)
<u>Sociology</u>	
SOC 228	Social Problems (3 sem. hrs.)
SOC 277	Social Inequality: Class and Ethnicity (3 sem. hrs.)
SOC 315	Men and Masculinities (3 sem. hrs.)
SOC 331	Mass Media and Society (3 sem. hrs.)
<u>Social and Economic Justice</u>	
SEJ 250	Introduction to Community Organizing (3 sem. hrs.)
<u>Women's and Gender Studies</u>	
WGS 245	Body Politics (3 sem. hrs.)
WGS 260	Indigenous Women's Experiences (3 sem. hrs.)
WGS 301	Feminist Theory (3 sem. hrs.)
WGS 310	Feminist Methodologies: Intersectionalities (3 sem. hrs.)

Students are encouraged to explore other relevant courses which may be approved with permission of department chair.

## POLITICAL SCIENCE MINOR

A minor in political science allows students to analyze a variety of political phenomena, from the struggle for power to the search for the common good.

The total number of courses required for the minor is 6 (18 semester hours).

### REQUIRED COURSES

- **All of the following (12 sem. hrs.)**
  - INTL 151 Introduction to International Studies (3 sem. hrs.)
  - POLS 155 American Politics (3 sem. hrs.)
  - POLS 268 Comparative Govt. & Politics: Cases of Predominantly Black Nations (3 sem. hrs.)
  - One course from the political theory subfield listing

- **Two additional political science courses, at least one of which must be at the 300-level (6 sem. hrs.)**

## PSYCHOLOGY MAJOR (B.A.)

The field of psychology addresses the questions of how humans act, know, develop, and interact. We focus on the scientific study and understanding of human behavior and the mind with an emphasis on developmental, social, cognitive, educational, and clinical aspects. Internships and service learning give students opportunities to learn experientially how to bridge theory and practice. Cross-cultural approaches are included in many courses and students are encouraged to experience another culture through off-campus study or study abroad. Psychology is a diverse discipline and thus provides a solid background for graduate studies at the master's and doctoral levels in a variety of fields, such as social work, law, teaching, medicine, forensics, and clinical and counseling psychology.

The total number of courses required for the major is 11 (33-36 semester hours). At least six of the courses (18 semester hours) taken for the major must be at the 300-level or above. No more than one internship may be taken to meet the requirements for the major.

### REQUIRED COURSES

- **All of the following (15-17 sem. hrs.)**  
 MATH 151 Elementary Statistics (3 sem. hrs.)  
**or** MATH 251 Mathematical Statistics (3 sem. hrs.)  
 PSY 101 General Psychology (3 sem. hrs.)  
 PSY 270 Foundations and Methods in Psychology (3 sem. hrs.)  
 PSY 290 Internship Program in Psychology (2-4 sem. hrs.)  
 PSY 403 Senior Seminar: Contemporary Issues in Psychology (4 sem. hrs.)
- **One course in each of the following categories (18-19 sem. hrs.)\***

#### Social

PSY 224	Social Psychology
PSY 250	Human Sexuality
PSY 306	Organizational Behavior
PSY 335	Psychology of Environmental Sustainability
WGS 260	Indigenous Women's Experiences

#### Developmental

PSY 210	Child Development
PSY 214	The Psychology of Women
PSY 301	Clinical Child Psychology
PSY 318	Adolescent Development
PSY 355	Adult Development and Aging

#### Clinical

PSY 227	Abnormal Psychology
PSY 235	Forensic Psychology
PSY 301	Clinical Child Psychology
PSY 330	Indigenous Psychologies
PSY 338	Psychotherapy
PSY 343	Neuropsychology

#### Cognitive

PSY 340	Psycholinguistics
PSY 347	Cognitive Psychology
PSY 349	Cognition and Culture
PSY 370	Sensation and Perception

#### Biological

BIOL 324L	Animal Behavior (4 sem. hrs.)
PSY 242	Drugs and Behavior
PSY 342	Biological Bases of Behavior
PSY 343	Neuropsychology
PSY 370	Sensation and Perception

Interdisciplinary

PSY 200	Sport Psychology
PSY 206	Health Psychology
PSY 275	Positive Psychology
PSY 280	Psychology of Art
PSY 335	Psychology of Environmental Sustainability (3 sem. hrs.)

\* All courses listed are 3 semester hours unless otherwise noted.

## PSYCHOLOGY MINOR

The total number of courses required for the minor is 6 (18 semester hours).

**REQUIRED COURSES**

- All of the following (6 sem. hrs.)**

PSY 101	General Psychology (3 sem. hrs.)
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MATH 151	Elementary Statistics (3 sem. hrs.), <b>or</b>
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MATH 251	Mathematical Statistics (3 sem. hrs.)
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- One course each from four of the following categories, at least two at the 300 level (12 sem. hrs.)\***

Social

PSY 224	Social Psychology
PSY 250	Human Sexuality
PSY 306	Organizational Behavior
PSY 335	Psychology of Environmental Sustainability
WGS 260	Indigenous Women's Experiences

Developmental

PSY 210	Child Development
PSY 214	The Psychology of Women
PSY 301	Clinical Child Psychology
PSY 318	Adolescent Development
PSY 355	Adult Development and Aging

Clinical

PSY 227	Abnormal Psychology
PSY 235	Forensic Psychology
PSY 301	Clinical Child Psychology
PSY 330	Indigenous Psychologies
PSY 338	Psychotherapy
PSY 343	Neuropsychology

Cognitive

PSY 340	Psycholinguistics
PSY 347	Cognitive Psychology
PSY 349	Cognition and Culture
PSY 370	Sensation and Perception

Biological

BIOL 324L	Animal Behavior (4 sem. hrs.)
PSY 242	Drugs and Behavior
PSY 342	Biological Bases of Behavior
PSY 343	Neuropsychology
PSY 370	Sensation and Perception

Interdisciplinary

PSY 206	Health Psychology
PSY 275	Positive Psychology
PSY 280	Psychology of Art
PSY 335	Psychology of Environmental Sustainability

\* All courses listed are 3 semester hours unless otherwise noted.

## RELIGIOUS STUDIES MINOR

The total number of courses required for the minor is 6 (18 semester hours).

### REQUIRED COURSES

- **The following (6 sem. hrs.)**  
 PHIL 100      Philosophy (3 sem. hrs.)  
 RELG 100      Gods and Creation: East and West (3 sem. hrs.)
- **One of the following (3 sem. hrs.)**  
 ANTH 222      Anthropology, Religion and Colonialism (3 sem. hrs.)  
 ANTH 250      Hawaii: Colonialism and Tourism (3 sem. hrs.)  
 RELG 255      Islamic Civilization and Culture (3 sem. hrs.)  
 RELG 263      The Hebrew Bible and Jewish Tradition (3 sem. hrs.)  
 RELG 264      The New Testament and Early Christianity (3 sem. hrs.)  
 RELG 275      Religions of Asia (3 sem. hrs.)  
 RELG 330      Native Americans and the Environment (3 sem. hrs.)
- **One of the following (3 sem. hrs.)**  
 PHIL 245      Meaning (3 sem. hrs.)  
 PHIL 300      Philosophy of Religion (3 sem. hrs.)  
 PHIL 325      Belief and Knowledge (3 sem. hrs.)  
 RELG 321      Faith and Post-Modern Culture (3 sem. hrs.)  
 RELG 375      Body and Soul: From Antiquity to Post-Modernity (3 sem. hrs.)
- **An additional two courses in religion above the 100-level (including the philosophy and anthropology courses listed above.) (6 sem. hrs.)**

## SCIENCE

See majors in biochemistry and molecular biology; biological sciences: health science; biology; chemistry; environmental sciences; and physics.

## SCIENCE, HEALTH AND VALUES MINOR

This minor provides students with an interdisciplinary perspective on issues pertaining to health, health care and health administration in our society. It develops a base of scientific and philosophical knowledge as well as opportunity for direct experience with health care settings and issues.

The total number of courses required for the minor is 7 (19-23 semester hours).

### REQUIRED COURSES

- **All of the following (6-10 sem. hrs.)**  
 PHIL 240      Ethics, Equality and Justice (3 sem. hrs.)  
 SHV 290/390    Internship in Science, Health and Values (2-4 sem. hrs.)  
 SHV 399      Independent Study in Science, Health and Values (1-3 sem. hrs.)
- **One of the following (4 sem. hrs.)**  
 BIOL 214L      Anatomy and Physiology I (4 sem. hrs.)  
 BIOL 226L      Genetics (4 sem. hrs.)
- **Three of the following (9 sem. hrs.)**  
 ECON 233      Economics of Health and Medical Care (3 sem. hrs.)  
 PSY 206      Health Psychology (3 sem. hrs.)  
 PSY 227      Abnormal Psychology (3 sem. hrs.)  
 PSY 242      Drugs and Behavior (3 sem. hrs.)  
 PSY 343      Neuropsychology (3 sem. hrs.)  
 SOC 200      Humans, Animals and Interaction (3 sem. hrs.)  
 SOC 270      Social Science of Food (3 sem. hrs.)  
 WGS 245      Body Politics (3 sem. hrs.)

## SELF-DESIGNED MAJOR

See individualized major.

## SOCIAL AND ECONOMIC JUSTICE MINOR

This minor attempts to bridge the gap between identity politics and class based analyses of social inequalities. Students take classes in both approaches and are required to do some hands-on work through internship opportunities.

The total number of courses required for the minor is 7. (20-22 semester hours).

### REQUIRED COURSES

- **All of the following (8-10 sem. hrs.)**

ECON 209	Introduction to Political Economy (3 sem. hrs.)
WGS 148	Introduction to Women's and Gender Studies (3 sem. hrs.)
SEJ 290	Internship in Social and Economic Justice (2-4 sem. hrs.)
or SEJ 390	Advanced Internship in Social and Economic Justice (2-4 sem. hrs.)
SOC 277	Social Inequality: Class and Ethnicity (3 sem. hrs.)

- **Two courses, one from each category (6 sem. hrs.)**

#### Social Justice

FNIS 212	Homelands (3 sem. hrs.)
HIST 210	Women and Gender in Europe (3 sem. hrs.)
HIST 325	The African-American Experience (3 sem. hrs.)
HIST 327	The Gilded Age and the Progressive Era (3 sem. hrs.)
HIST 357	Modern America
SOC 235	"Deviance" and Society (3 sem. hrs.)
SOC 315	Men and Masculinities (3 sem. hrs.)
WGS 245	Body Politics (3 sem. hrs.)
WGS 260	Indigenous Women's Experiences (3 sem. hrs.)

#### Economic Justice

ECON 255	The Political Economy of Globalization (3 sem. hrs.)
ECON 325	Ecological Economics (3 sem. hrs.)
ECON 326	Energy and the Economy (3 sem. hrs.)
ECON 350	Economics of Developing Countries (3 sem. hrs.)
HIST 215	The Growth of Industrial Society, 1750–Present (3 sem. hrs.)
HIST 228	The Making of Modernity (3 sem. hrs.)
HIST 372	Colonial Encounters (3 sem. hrs.)
INTL 350	Comparative Environmental Policy Analysis (3 sem. hrs.)
POLS 262	Politics in Developing Countries (3 sem. hrs.)

- **Electives: One of the following (3 sem. hrs.)**

ANTH 250	Hawaii: Colonialism and Tourism
ANTH 270	Anthropology of Food
ANTH 345	Maya Ethnography
ANTH 359	The Pacific and Cultural Survival (3 sem. hrs.)
PHIL 240	Ethics, Equality and Justice
POLS 155	American Politics
PSY 335	Psychology of Environmental Sustainability (3 sem. hrs.)
SEJ 250	Introduction to Community Organizing
SOC 228	Social Problems (3 sem. hrs.)
SOC 331	Mass Media and Society (3 sem. hrs.)
WGS 310	Feminist Methodologies: Intersectionalities (3 sem. hrs.)

## SOCIOLOGY AND ANTHROPOLOGY MAJOR (B.A.)

Anthropology and sociology examine humanity from global systems to interpersonal interaction. These sister disciplines help us to understand social structures and individual roles within them, the effects of colonialism on colonies and colonial powers, oppression and privilege, imperialism and self-determination and local responses to global conditions. The sociological imagination and the anthropological perspective together help us to understand how we both affect and are affected by the social and physical world around us. This major provides students with an understanding of the dynamics of culture, cultural survival, ethnicity, race, gender, class, sexuality, etc., and the foundations for conducting research so they will be able to participate in the creation of a more equitable and sustainable world.

The total number of courses required for the major is 15 (43-48 semester hours). At least six of the courses (18-19 semester hours) taken for the major must be at the 300-level or above.

**REQUIRED COURSES**

- **All of the following (22-24 sem. hrs.):**

- ANTH 161 Introduction to Anthropology (3 sem. hrs.)
- MATH 151 Elementary Statistics (3 sem. hrs.)
- SOC 151 Principles of Sociology (3 sem. hrs.)
- SOC 401 Senior Essay and Research Seminar in Sociology and Anthropology (4 sem. hrs.)

*One Methods Course:*

- SS 294 Research Methods for the Social Sciences (4 sem. hrs.)

**OR** ANTH 260 Ethnographic Methods (4 sem. hrs.)

*One Theory Course:*

- SOC 363 Sociological Theory (3 sem. hrs.)

**OR** ANTH 330 Anthropological Theory and Ethnography (3 sem. hrs.)

*Experiential Learning:* 2-4 credits from Experiential Learning opportunities. These can either be internships with SOCA faculty acting as either on-site or faculty sponsors, or OCS J-term courses taught by SOCA faculty (i.e. OCS 300 Hawaii or OCS 305 Belize). A semester abroad would also meet this requirement. (2-4 sem. hrs.)

- **Four additional courses all under the SOC designation (CRIM 115 could count) or all under the ANTH designation (RELG 330 could count) and three courses in the other (21-24 sem. hrs.)**

- **The SOCA faculty recommend (but do not require) taking one or more of the following courses outside of the major. Students should be aware that many of these courses have pre-requisites.**

- CREA 275 Creative Nonfiction (3 sem. hrs.)
- ECON 209 Introduction to Political Economy (3 sem. hrs.)
- ECON 255 The Political Economy of Globalization (3 sem. hrs.)
- ECON 350 Economics of Developing Countries (3 sem. hrs.)
- ENGL 380 Writing Literary Criticism: Methods and Theory (3 sem. hrs.)
- ENVR 101L Introduction to Environmental Science (4 sem. hrs.)
- FMS 101 Introduction to Cinema Studies (3 sem. hrs.)
- HIST 372 Colonial Encounters (3 sem. hrs.)
- FMS 281 Film and Literature (3 sem. hrs.)
- INTL 151 Introduction to International Studies (3 sem. hrs.)
- PHIL 235 Modern and Post-Modern Philosophy (3 sem. hrs.)
- POLS 262 Politics of Developing Countries (3 sem. hrs.)
- POLS 320 Liberalism and Its Critics (3 sem. hrs.)
- PSY 235 Forensic Psychology (3 sem. hrs.)
- PSY 250 Human Sexuality (3 sem. hrs.)
- PSY 330 Indigenous Psychologies (3 sem. hrs.)
- PSY 340 Psycholinguistics (3 sem. hrs.)
- PSY 349 Cognition and Culture (3 sem. hrs.)
- RELG 275 Religions of Asia (3 sem. hrs.)
- RELG 330 Native Americans and the Environment (3 sem. hrs.)
- SEJ 250 Introduction to Community Organizing (3 sem. hrs.)
- THEA 320 Marginalized Voices: Women Playwrights (3 sem. hrs.)
- WGS 245 Body Politics (3 sem. hrs.)
- WGS 260 Indigenous Women's Experiences (3 sem. hrs.)
- WGS 301 Feminist Theory (3 sem. hrs.)
- WGS 310 Feminist Methodologies: Intersectionalities (3 sem. hrs.)

**SOCIOLOGY MINOR**

The total number of courses required for the minor is 6 (18–19 semester hours).

**REQUIRED COURSES**

- **All of the following (18–19 sem. hrs.)**

- SOC 151 Principles of Sociology (3 sem. hrs.)
- SOC 277 Social Inequality: Class and Ethnicity (3 sem. hrs.)
- Either** SS 294 Research Methods for the Social Sciences (4 sem. hrs.)  
**or** SOC 363 Sociological Theory (3 sem. hrs.)
- Three more courses under the SOC designation (9 sem. hrs.)

## SPANISH MAJOR (B.A.)

The number of courses required for the SPAN major is 14 (40 semester hours).

- **All of the following (22 sem. hrs.)**

SPAN 203	Advanced Grammar in Context (3 sem. hrs.)
SPAN 204	Conversation and Composition through Film (3 sem. hrs.)
SPAN 207	Introduction to Hispanic Literature (3 sem. hrs.)
SPAN 200	Spanish for the Professions (3 sem. hrs.)
SPAN 209	Introduction to Hispanic Culture (3 sem. hrs.)
SPAN 211	Introduction to Hispanic Linguistics (3 sem. hrs.)
SPAN 213	Spanish Translation (3 sem. hrs.)
<i>NOTE: Students may substitute one of the above 200-level courses with SPAN 285</i>	
SPAN 401	Spanish Senior Thesis I (2 sem. hrs.)
SPAN 402	Spanish Senior Thesis II (2 sem. hrs.)

- **At least four of the following (12 sem. hrs.)**

SPAN 305	Hispanic Culture & the Environment (3 sem. hrs.)
SPAN 310	The Hero in Hispanic Culture & Film (3 sem. hrs.)
SPAN 312	Modern Hispanic Popular Culture (3 sem. hrs.)
SPAN 315	Hispanic Views on Gender & Feminism (3 sem. hrs.)
SPAN 316	Monsters in Hispanic Literature & Film (3 sem. hrs.)
SPAN 317	Afro-Hispanic History, Literature & Culture (3 sem. hrs.)
SPAN 370	Literature and Film: Two Ways of Telling a Story (3 sem. hrs.)
SPAN 385	Topics in Spanish and Latin American Studies (3 sem. hrs.)

- **At least two of the following (all courses taught in English) (6 sem. hrs.)**

ANTH 345	Maya Ethnography (3 sem. hrs.)
ENGL 380	Writing Literary Criticism: Methods and Theory (3 sem. hrs.)
FMS 220	Post-Colonial African Cinema (3 sem. hrs.)
FMS 281	Film and Literature (3 sem. hrs.)
HIST 210	Women and Gender in Europe, 1550-Present (3 sem. hrs.)
HIST 335	Popular Culture in Early Modern Europe, 1400-1800 (3 sem. hrs.)
HIST 372	Colonial Encounters (3 sem. hrs.)
INTL 151	Introduction to International Studies (3 sem. hrs.)
RELG 255	Islamic Civilization and Culture (3 sem. hrs.)

- **Study Abroad**

At least one semester of study in a Spanish-speaking country is required. Courses taken abroad may be applied to fulfill requirements for the major.

## SPANISH MINOR

The total number of courses required for the minor is 6 (18-20 semester hours).

### REQUIRED COURSES

- **The following (18-20 semester hours)**

Six courses in the language, one of which must be a 3-semester-hour course at the 300-level. A semester of study in Spain or Latin America is strongly recommended.

## SPORT MANAGEMENT MINOR

The sport management minor engages students in various sports industry management theories and issues facing modern sport and athletics. Courses encompass varying levels of modern sport including professional, intercollegiate, interscholastic, youth and recreational. Total required courses: 6 courses (17-19 hrs).

- **All of the following (11-13 sem. hrs.)**

SMGT 101	Introduction to Sport Management (3 sem. hrs.)
SMGT 210	Contemporary Sport (3 sem. hrs.)
SMGT 310	Organizational Leadership & Management in Sport (3 sem. hrs.)
SMGT 290/390	Internship in Sports Management (2-4 sem. hrs.)

- **One of the following (3 sem. hrs.)**

BUS 201	Principles of Management (3 sem. hrs.)
BUS 202	Principles of Marketing (3 sem. hrs.)
BUS 305	Legal Environment of Business (3 sem. hrs.)

- **One of the following (3 sem. hrs.)**

- |         |  |
|---------|--|
| FMS 315 | Only a Game? Sports in Film & Literature (3 sem. hrs.) |
| PSY 200 | Sport Psychology (3 sem. hrs.)                         |
| WGS 230 | Women and Gender in Sport (3 sem. hrs.)                |

## STUDIO ART MINOR

The minor has been designed to give recognition to the non-major who completes the prescribed course of study.

The total number of courses required for the minor is 6 (18 semester hours).

### REQUIRED COURSES

- **All of the following (6 sem. hrs.)**

ART 119	Visual Organization (3 sem. hrs.)
<b>or</b> ART 121	Beginning Drawing (3 sem. hrs.)

One course in ceramics (3 sem. hrs.)
- **Two of the following (6 sem. hrs.)**

ARTH 101	Prehistoric to Renaissance Survey (3 sem. hrs.)
ARTH 102	Renaissance to Contemporary Survey (3 sem. hrs.)
ARTH 105	Art of Non-Western Cultures Survey (3 sem. hrs.)

One course in ceramics (3 sem. hrs.)
- **Two additional studio art courses (6 sem. hrs.)**

## SUSTAINABILITY MAJOR (B.A.)

This major recognizes the environment as a physical, social, cultural, and psychological entity that is threatened by many forms of human activity. It further recognizes that humanity can make a difference by developing multifaceted solutions that will help us to exist as a species, create a just and equitable society, and maintain a healthy planet. The number of courses required for the major is 14 (42-46 semester hours).

### REQUIRED COURSES

- **All of the following (24-26 sem. hrs.):**

SUS 101	Introduction to Sustainability (3 sem. hrs.)
SUS 195	Tutorial: Critical Thinking about Sustainability (2 sem. hrs)
ENVR 101L	Introduction to Environmental Science (4 sem. hrs.)
ECON 102	Principles of Microeconomics (3 sem. hrs.)
MATH 151	Elementary Statistics (3 sem. hrs.)
PSY 335	Psychology of Environmental Sustainability (3 sem. hrs)
SUS 290/390	Internship in Sustainability (2-4 sem. hrs.)
SUS 401	Capstone project in sustainability (4 sem. hrs.)
- **Six courses chosen from at least two areas of specialization (18-20 sem. hrs.):**

#### Ecology and Environmental Systems

- |           |   |
|-----------|---|
| ENVR 102L | Conservation of Biodiversity (4 sem. hrs) |
| BIOL 119L | Ecology and Evolution (4 sem. hrs)        |
| ENVR 340  | Sustainable Agriculture (3 sem. hrs)      |

#### Economics

- |          |   |
|----------|---|
| ECON 101 | Principles of Macroeconomics (3 sem. hrs)           |
| ECON 209 | Introduction to Political Economy (3 sem. hrs)      |
| ECON 255 | The Political Economy of Globalization (3 sem. hrs) |
| ECON 325 | Ecological Economics (3 sem. hrs)                   |
| ECON 326 | Energy and the Economy (3 sem. hrs)                 |

#### Social

- |          |  |
|----------|--|
| ANTH 230 | Culture and Gardens (3 sem. hrs)                       |
| ANTH 270 | The Anthropology of Food (3 sem. hrs)                  |
| ANTH 359 | The Pacific and Cultural Survival (3 sem. hrs)         |
| INTL 350 | Comparative Environmental Policy Analysis (3 sem. hrs) |

SOC 200	Humans, Animals and Interaction (3 sem. hrs)
SOC 277	Social Inequality: Class and Ethnicity (3 sem. hrs)
WGS 385	Topic: Gender, the Environment and Sustainability (3 sem. hrs)

## SUSTAINABILITY MINOR

The minor in sustainability examines the interplay among the environmental, social, and economic forces involved in addressing the challenges to a sustainable future.

The total number of courses required for the minor is eight (22–26 semester hrs.).

### REQUIRED COURSES

- **All of the following (11–13 sem. hrs.)**
  - SUS 101 Introduction to Sustainability (3 sem. hrs.)
  - SUS 195 Critical Thinking about Sustainability (2 sem. hrs)
  - ENVR 101L Introduction to Environmental Science (4 sem. hrs.)
  - SUS 290/390 Internship in Sustainability (2-4 sem. hrs.)
- **Four additional courses, one from each of the following categories (11–13 sem. hrs.)**

#### Anthropology and Philosophy

ANTH 230	Culture and Gardens (3 sem. hrs.)
ANTH 231	Culture and Water (3 sem. hrs)
ANTH 250	Hawaii: Colonialism and Tourism (3 sem. hrs)
ANTH 270	The Anthropology of Food (3 sem. hrs.)
ANTH 345	Maya Ethnography (3 sem. hrs)
ANTH 359	The Pacific and Cultural Survival (3 sem. hrs)
PHIL 240	Ethics, Equality and Justice (3 sem. hrs.)
PHIL 340	Ethics and the Environment (3 sem. hrs)

#### Biology and Environmental Science

BIOL 119L	Ecology and Evolution (4 sem. hrs.)
BIOL 130L	Biology of Organisms (4 sem. hrs.)
BIOL 305L	Plant Diversity and Evolution (4 sem. hrs.)
BIOL 325L	Limnology (4 sem. hrs.)
BIOL 363	Advanced Ecology (3 sem. hrs.)
ENVR 102L	Conservation of Biodiversity (4 sem. hrs.)
ENVR 131L	Physical Geology (4 sem. hrs.)
ENVR 204	The Climate System (3 sem. hrs)
ENVR 303	Environmental Impact Assessment (3 sem. hrs)
ENVR 340	Sustainable Agriculture (3 sem. hrs.)

#### Business, Economics and International Studies

BUS 203	Social Entrepreneurship (3 sem. hrs)
BUS 250	Innovation: Creative Problem Solving (3 sem. hrs.)
BUS 365	Business Sustainability and Social Responsibility (3 sem. hrs.)
ECON 101	Principles of Macroeconomics (3 sem. hrs)
ECON 102	Principles of Microeconomics (3 sem. hrs)
ECON 255	The Political Economy of Globalization (3 sem. hrs.)
ECON 325	Ecological Economics (3 sem. hrs.)
ECON 326	Energy and the Economy (3 sem. hrs.)
ECON 350	Economics of the Developing Countries (3 sem. hrs)
INTL 151	Introduction to International Studies (3 sem. hrs)
INTL 350	Comparative Environmental Policy Analysis (3 sem. hrs.)
POLS 355	Approaches to International Relations (3 sem. hrs)

#### Psychology, Sociology and Other Programs

PSY 275	Positive Psychology (3 sem. hrs.)
PSY 335	Psychology of Environmental Sustainability (3 sem. hrs.)
SOC 200	Humans, Animals and Interaction (3 sem. hrs.)
SOC 277	Social Inequality: Class and Ethnicity (3 sem. hrs.)
FNIS 212	Homelands (3 sem. hrs)
FNIS 215	The Haudenosaunee and New York State (3 sem. hrs)
FOOD 201	Introduction to Gardening (1 sem. hr)

## SUSTAINABLE FOOD SYSTEMS MINOR

This minor investigates the challenges of the current global food system. With a focus on the cultural meanings of food, and the social and physical conditions under which we grow and consume foods, this minor equips students with the understandings and tools needed to build a more sustainable world.

- **All of the following (17-19 sem. hrs.)**
  - SUS 101 Introduction to Sustainability (3 sem. hrs.)
  - ANTH 270 The Social Science of Food (3 sem. hrs.)
  - SOC 200 Humans, Animals and Interaction (3 sem. hrs.)
  - ENVR 340 Sustainable Agriculture (3 sem. hrs.)
  - ANTH 230 Culture and Gardens (3 sem. hrs.)
  - FOOD 290 Internship (2-4 sem. hrs.)

## THEATRE MAJOR (B.A.)

The theatre major provides a program of study that prepares students for a wide range of careers in the performing arts, including acting, design, stage management, arts management, producing, directing, teaching and technical theatre.

Students will gain experience in peer leadership and the creative process. Hands-on learning is supported and enriched by the study of history and theory, which informs the interpretive technique of the theatre artist and fosters intellectual curiosity and cross-cultural awareness.

The theatre major serves students with strong problem-solving skills and a sense of discipline and personal responsibility.

The total number of courses required for the major is 17–20 (43–49 semester hours).

### REQUIRED COURSES

- **All of the following (8 sem. hrs.)**
  - THEA 100 Introduction to Performing Arts (4 sem. hrs)
  - THDA 401 Senior Thesis Project in Theatre (3 sem. hrs)
  - THDA 402 Senior Seminar: Building a Career in Theatre (1 sem. hr)

#### Production, Performance and Performance Theory

- **All of the following (12 sem. hrs.):**
  - THEA 128 Acting One (3 sem. hrs)
  - THEA 130 Stagecraft (3 sem. hrs)
  - THEA 315 Theatre History (3 sem. hrs)
  - MUS 112 Listening: A Survey of Western Music (3 sem. hrs)
- **All of the following (for a minimum of 6 sem. hrs.)**
  - THEA 224 Production Practical (1–3 sem. hrs)
  - THEA 325 Production Practical (1–3 sem. hrs)
  - THEA 280 Rehearsal and Performance/Theatre (1–3 sem. hrs)
- **One of the following (3 sem. hrs.)**
  - THDA 285 Topic: Scenic Design (3 sem. hrs)
  - THDA 285 Topic: Lighting Design (3 sem. hrs)
  - THEA 338 Methods of Directing (3 sem. hrs)
- **One of the following (3 sem. hrs.)**
  - THEA 201 Arts Management (3 sem. hrs)
  - THEA 255 Stage Management (3 sem. hrs)

#### Technique and Skills Training

- **Choose from the following (for a total of 6 sem. hrs.)**
  - DANC 205 Modern Dance Technique (2 sem. hrs)
  - DANC 206 Modern Dance Technique II (2 sem. hrs)
  - DANC 210 Dance Technique (2 sem. hrs)
  - THDA 285 Topic: Advanced Stagecraft (3 sem. hrs)
  - THDA 285 Topic: Scenic Design (3 sem. hrs)
  - THDA 285 Topic: Lighting Design (3 sem. hrs)
  - THEA 200 Acting Two (3 sem. hrs)
  - THEA 330 Improvisational Theatre (1 sem. hr)

THEA 331	Acting Shakespeare (1 sem. hr)
THEA 332	Acting Styles (1 sem. hr)
THEA 333	Getting the Part: Monologues and Audition Techniques (1 sem. hr)

**ELECTIVES**

- **Two of the following (3–7 sem. hrs.)**

MUS 145	Introduction to Music Theory (3 sem. hrs)
THEA 278	Rehearsal and Performance: Theatre/Student (1 sem. hr)
THEA 320	Marginalized Voices: Women Playwrights (3 sem. hrs)
THDA 285/385	Topics in Theatre or Dance (2–4 sem. hrs)
THDA 399	Independent Study in Theatre or Dance (1–3 sem. hrs.)
	Any dramatic literature course
	Any studio art course
	Any art history course

**INTERNSHIP**

- **The following (2–4 sem. hrs.)**

THDA 390	Internships in Theatre or Dance (2–4 sem. hrs.)
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**THEATRE MINOR**

You may enjoy this minor for its own sake as you explore interests outside your major field, or consider it as a special application of concentrated studies in such fields as education, history, literature and writing, psychology, sociology, visual art, art history, management, philosophy, or film and media studies.

The total number of courses required for the minor is 7 courses of 2–4 semester hours (21–23 semester hours).

**REQUIRED COURSES**

- **All of the following (13 sem. hrs)**

THEA 128	Acting One (3 sem. hrs)
THEA 315	Theatre History (3 sem. hrs)
THEA 100	Introduction to Performing Arts (4 sem. hrs)
THEA 130	Stagecraft (3 sem. hrs)

- **Three of the following (8–10 sem. hrs)**

THEA 200	Acting Two (3 sem. hrs)
THEA 255	Stage Management (3 sem. hrs)
THEA 280	Rehearsal and Performance/Theatre
<b>and/or</b> THEA 350	Advanced Rehearsal and Performance/Theatre (for a total of 3 sem. hrs)
THEA 320	Marginalized Voices: Women Playwrights (3 sem. hrs)
THEA 338	Methods of Directing (3 sem. hrs)
THEA 201	Arts Management (3 sem. hrs)
THEA 224	Production Practical (for a total of 3 sem. hrs)
THEA 325	Production Practical (for a total of 3 sem. hrs)
THDA 285/385	Topics in Theatre or Dance (2–4 sem. hrs)

**VISUAL ARTS MAJOR (B.A.)**

The visual arts as a major area of study offers students the opportunity to develop:

- An understanding of artistic creativity through making art in a studio setting;
- A responsive eye and a sense of visual literacy;
- An understanding of the relationship between art and society;
- An understanding of modern art concepts and contemporary trends as well as the major artistic epochs of the past.

The total number of courses required for the major is 15–16 (48–53 semester hours). At least six courses taken for the major must be at the 300-level or above.

Students majoring in the visual arts will benefit from the experience of study abroad and should consult the study abroad programs in this catalog. Because the senior seminar and essay or project must be

accomplished on campus during both fall and spring semesters of the senior year, visual arts majors who wish to study abroad must do so before their senior year.

### **REQUIRED COURSES**

- **One of the following (3 sem. hrs.)**  
 ART 119 Visual Organization (3 sem. hrs.)  
 ART 121 Beginning Drawing (3 sem. hrs.)  
 ART 260 Introduction to Darkroom Photography (3 sem. hrs.)
- **One of the following (3 sem. hrs.)**  
 ART 118 Three-Dimensional Design (3 sem. hrs.)  
 ART 241 Introduction to Oxidation Fired Pottery (3 sem. hrs.)  
 ART 242 Introduction to Reduction Fired Pottery (3 sem. hrs.)
- **One of the following (1-3 sem. hrs.)**  
 BKRT 121 Hand Papermaking (1 sem. hr.)  
 BKRT 115 Hand Bookbinding I (3 sem. hrs.)  
 BKRT 120 Letterpress Printing (3 sem. hrs.)
- **The following (19 sem. hrs.)**  
 ARTH 101 Prehistoric to Renaissance Survey (3 sem. hrs.)  
 ARTH 102 Renaissance to Contemporary Survey (3 sem. hrs.)  
 ARTH 235 Contemporary Art (3 sem. hrs.)  
 VART 315 Professional Visual Arts Practices (3 sem. hrs.)  
 VART 300 Theoretical Frameworks in the Visual Arts (3 sem. hrs.)  
 VART 402 Senior Project in Visual Arts (3 sem. hrs.)
- **One of the following (3 sem. hrs.)**  
 ARTH 105 Art of Non-Western Cultures Survey (3 sem. hrs.)  
 ARTH 255 A Survey of Renaissance Art (3 sem. hrs.)  
 ARTH 270 A Survey of Modern Art (3 sem. hrs.)  
 BKRT 225 The History of the Book (3 sem. hrs.)
- **At least one additional course in art history, book arts or studio art (3 sem. hrs.)**

### **CONCENTRATIONS**

A student must choose a concentration in art history, book arts, or studio art.

#### **ART HISTORY (11-13 sem. hrs.)**

- **The following (2-4 sem. hrs.)**  
 ARTH 390 Internship in Art History (2-4 sem. hrs.)
- **Two additional art history courses (6 sem. hrs.)**
- **One additional course in book arts or studio art (3 sem. hrs.)**

#### **BOOK ARTS (17-21 sem. hrs.)**

- **The following (11-15 sem. hrs.)**  
 BKRT 115 Hand Bookbinding I (3 sem. hrs.)  
 BKRT 120 Letterpress Printing (3 sem. hrs.)  
 BKRT 121 Hand Papermaking (1 sem. hr.)  
 BKRT 290/390 Internship in the Book Arts (2-4 sem. hrs.)  
 VART 401 Senior Seminar in Visual Arts (4 sem. hrs.)  
 VART 403 Senior Exhibition in the Visual Arts (1 sem. hr.)
- **Two or more of the following, in addition to BKRT courses satisfying above requirements (for a total of at least 6 sem. hrs.)**  
 BKRT 105 Introduction to Calligraphy (3 sem. hrs.)  
 BKRT 215 Hand Bookbinding II (3 sem. hrs.)  
 BKRT 220 Digital Book and Graphic Design (3 sem. hrs.)  
 BKRT 285/385 Topics in the Book Arts (2-4 sem. hrs.)  
 BKRT 299/399 Independent Study in the Book Arts (1-3 sem. hrs.)  
 BKRT 325 The Printed Book (3 sem. hrs.)

**STUDIO ART (14-16 sem. hrs.)**• ***The following courses***

ART 285/385	Special Topics in Studio Art (3 sem. hrs.)
ART 290/390	Internship in Studio Art (2-4 sem. hrs.)
ART 350	Creative Art Projects (4 sem. hrs.)
VART 401	Senior Seminar in Visual Arts (4 sem. hrs.)
VART 403	Senior Exhibition in the Visual Arts (1 sem. hr.)

**VISUAL COMMUNICATION MINOR**

Students will gain experience in print and web design, introducing them to skills needed for careers in fields such as communications, advertising, or publishing. The minor will combine coursework in Visual Arts and Business, with options to further intensify skills in related content areas.

Required courses (total course required is seven: 19-22 sem. hours).

**REQUIRED COURSES**• ***Fundamental Skills in Design: All of the following***

ART 119	Visual Organization (3 sem. hrs.)
ART/BKRT 127	Introduction to Graphic Design (3 sem. hrs.)
BKRT 120	Letterpress Printing

• ***Choose one from each category***Visual Skills

ART 261	Digital Photography
ART 121	Beginning Drawing
BKRT 285	Special Topics in Book Arts
BKRT 320	The Printed Book

Writing

JOUR 101	Writing to be Read
FMS 270	Writing for the Mass Media

Context and Analysis

ARTH 235	Contemporary Art History
BKRT 225	History for the Book
FMS 101	Introduction to Cinema Studies
PSY 280	Psychology of Art

**WOMEN'S AND GENDER STUDIES MAJOR (B.A.)**

The objectives of the women's and gender studies major are: to acquaint students with historical and cultural perspectives on gender roles, particularly as experienced by women, in order to facilitate understanding of complex, interconnected systems of oppression; to investigate and explore the formation of gender/ed identities and the relationships between variously gendered persons within local communities and cross-culturally; to familiarize students with the ways in which women's and gender studies has incorporated questions of power and gender into the practice of academic scholarship; to inquire about and contribute to the on-going transformations of scholarly methods and approaches; to interrogate the neglect of women by traditional academic disciplines and to advocate for continual interdisciplinary change; and to analyze social and political issues as they pertain to the social construction of difference. The goal of these objectives is to prepare students to become active, affective, and effective agents in the world.

The total number of courses required for the major is 10 with a minimum of 30 semester hours. At least five of the courses (15 semester hours) taken for the major must be at the 300-level or above.

**REQUIRED COURSES**• ***All of the following: (13 sem. hrs.)***

WGS 148	Introduction to Women's and Gender Studies (3 sem. hrs.)
WGS 301	Feminist Theory (3 sem. hrs.)
WGS 310	Feminist Methodologies: Intersectionalities (3 sem. hrs.)
WGS 401	Senior Project in Women's and Gender Studies (4 sem. hrs.)

- **HISTORICAL PERSPECTIVES: At least one of the following (3 sem. hrs.)**
  - HIST 210 Women and Gender in Europe, 1550-Present (3 sem. hrs.)
  - HIST 285 Topics in History (for a total of 3 sem. hrs.)
  - HIST 360 History of American Feminism (3 sem. hrs.)
  - HIST 361 Voices of African-American Women (3 sem. hrs.)
  - HIST 385 Topics in History (for a total of 3 sem. hrs.)
  - RELG 375 Body and Soul: From Antiquity to Post-Modernity (3 sem. hrs.)
  - SPAN 315 Hispanic Views on Gender & Feminism (3 sem. hrs.)
  - WGS 285 Topics in Women's and Gender Studies (3 sem. hrs.)
- **Cultural Contexts**  
**At least one of the following (3 sem. hrs.):**
  - ANTH 345 Maya Ethnography (3 sem. hrs.)
  - HIST 210 Women and Gender in Europe, 1550-Present (3 sem. hrs.)
  - HIST 361 Voices of African-American Women (3 sem. hrs.)
  - HIST 385 Topics in History (for a total of 3 sem. hrs.)
  - HUM 378 Women and Literature in Latin America (3 sem. hrs.)
  - PSY 330 Indigenous Psychologies (3 sem. hrs.)
  - PSY 385 Topics in Psychology (3 sem. hrs.)
  - THEA 320 Marginalized Voices: Women Playwrights (3 sem. hrs.)
  - WGS 245 Body Politics (3 sem. hrs.)
  - WGS 260 Indigenous Women's Experiences (3 sem. hrs.)
- **Creativity/Aesthetics**  
**At least one of the following (3 sem. hrs.):**
  - ARTS 310 Women and the Arts (3 sem. hrs.)
  - CREA 275 Creative Nonfiction (3 sem. hrs.)
  - CREA 375 Advanced Creative Nonfiction (3 sem. hrs.)
  - FMS 241 Reading Popular Film (3 sem. hrs.)
  - HIST 385 Topics in History (for a total of 3 sem. hrs.)
  - HUM 378 Women and Literature in Latin America (3 sem. hrs.)
  - THEA 320 Marginalized Voices: Women Playwrights (3 sem. hrs.)
  - WGS 285 Topics in Women's and Gender Studies (3 sem. hrs.)
- **Embodied Experiences/Embodiment**  
**At least one of the following (3–4 sem. hrs.):**
  - ANTH 270 The Social Science of Food (3 sem. hrs.)
  - BIOL 214L Anatomy and Physiology I (4 sem. hrs.)
  - PSY 214 The Psychology of Women (3 sem. hrs.)
  - PSY 250 Human Sexuality (3 sem. hrs.)
  - RELG 375 Body and Soul: From Antiquity to Post-Modernity (3 sem. hrs.)
  - SOC 315 Men and Masculinities (3 sem. hrs.)
  - WGS 245 Body Politics (3 sem. hrs.)
  - WGS 285 Topics in Women's and Gender Studies (3 sem. hrs.)
  - WGS 385 Topics in Women's and Gender Studies (3 sem. hrs.)
- **Power**  
**At least one of the following (3 sem. hrs.):**
  - INTL 151 Introduction to International Studies (3 sem. hrs.)
  - POLS 155 American Politics (3 sem. hrs.)
  - POLS 285/385 Topic in Public Policy and Politics (3 sem. hrs.)
  - POLS 307 Contemporary Political Ideologies (3 sem. hrs.)
  - POLS 345 Public Opinion (3 sem. hrs.)
  - SOC 277 Social Inequality: Class and Ethnicity (3 sem. hrs.)
- **Experiential**  
**At least one of the following (2–19 sem. hrs.):**
  - WGS 290/390 Internship in Women's and Gender Studies (2–4 sem. hrs.)
  - OCS in any of the programs available that have a focus on women and gender (12–15 sem. hrs.)

## WOMEN'S AND GENDER STUDIES MINOR

The women's and gender studies minor is an interdisciplinary minor that will give students insight into issues related to gender and into current scholarship about women.

The total number of courses required for the minor is 6 with a minimum of 18 semester hours.

### **REQUIRED COURSES**

- ***All of the following (6 sem. hrs.)***

WGS 148      Introduction to Women's and Gender Studies (3 sem. hrs.)

WGS 301      Feminist Theory (3 sem. hrs.)

- ***One course each from four of the seven categories in the Women's and Gender Studies major (12–13 sem. hrs.)***

## WRITING, CREATIVE

See English major: concentration in creative writing; creative writing minor; creative writing courses.

# Courses of Instruction



## COURSES OF INSTRUCTION

**Note:** Courses use letter grades unless otherwise indicated.

The College reserves the right to cancel any course not elected by a sufficient number of students.

### ANTHROPOLOGY

#### **ANTH 161. Introduction to Anthropology**

This course introduces the fundamentals of anthropology: what does it mean to “think anthropologically”? Ethnographic case studies reveal the ways in which anthropology encourages us to confront critical issues of survival for indigenous peoples and local cultures. Offered annually fall semester. (3 sem. hrs)

#### **ANTH 210. Material Culture and Museums**

The course examines anthropological scholarship on the complex relationship between lived cultures, their material objects, and museums/ethnic theme parks. It explores issues of cultural authenticity, ownership and preservation, political subordination and misrepresentation, and cultural change in a globalizing world. Prerequisites: ANTH 161 or MSEU 100 or POI. Every Spring semester. (3 sem. hrs)

#### **ANTH 222. Anthropology, Religion and Colonialism**

An exploration of anthropological approaches to the study of religion. Particular attention is paid to “local” or indigenous religions from Africa, Asia, the Pacific, and elsewhere. Such local religions are studied in relation to world religions, colonization, and global influence. Offered alternate fall semesters. (3 sem. hrs)

#### **ANTH 230. Culture and Gardens**

This course will travel through time and space to garden spaces and practices found in a wide range of cultures. (3 sem. hrs)

#### **ANTH 231. Culture and Water**

Water is essential for human existence and culture is inherent to human experience. With that in mind, this applied anthropology course examines how our daily need for water is informed by a diversity of cultural expectations, tastes, and desires, as well as by environmental constraints. The course will also pay particular attention to the challenges of climate change in the 21st century. (3 sem. hrs)

#### **ANTH 250. Hawaii: Colonialism and Tourism**

This course is an anthropological examination of the cultures and religions of Hawaii, from pre-contact with the West to contemporary context. Particular attention is paid to the effects of colonialism and tourism. Prerequisite: any social science course. Offered annually fall semester. (3 sem. hrs)

#### **ANTH 260. Ethnographic Methods**

A hands-on course for learning about and practicing ethnographic research methods. We will spend class time examining different styles of write-up, different approaches to getting information and different ways of interpreting data. Students must complete a research project. Prerequisite: one course in the social sciences and sophomore standing. Offered annually. (4 sem. hrs)

#### **ANTH 270. The Anthropology of Food**

This course looks at human relationships with food — the meaning of food, the origins of food, the political economy of food, and food controversies — all with the eye of an anthropologist. Prerequisite: one course in the social sciences. Offered alternate years. (3 sem. hrs.)

#### **ANTH 280. World Archaeology**

This course is an introduction to world archaeology. The course provides a survey of archaeological methods and theory. The course highlights the development of the discipline and some of the great civilizations of the ancient world are considered from an archaeological viewpoint. Offered alternate fall semesters (3 sem. hrs.)

#### **ANTH 290/390. Internship in Anthropology**

The anthropology internship is designed to be an experience beyond the classroom. The internship might include archaeological fieldwork, service learning in an institution or community, or activism within a particular cultural context. Costs and arrangements are the responsibility of the student. Graded: S/U. Offered as needed. (2-4 sem. hrs.)

#### **ANTH 330. Anthropological Theory and Ethnography**

The course surveys contemporary anthropological theory and research. A close reading of several recent ethnographies allows for a critical examination of culture, fieldwork, and ethnographic representation

via text, photography, film, and material display. theories and research methods. The course examines a number of anthropological texts that critically reflect on ideas about culture, fieldwork, and ethnographic representation. Offered every spring semesters. (3 sem. hrs.)

### **ANTH 345. Maya Ethnography**

Beginning with an examination of the genocide against Maya people in Guatemala in the 1980s, this course deals with contemporary issues in the lives of the Mayans, such as their place in the global economy, their access to land and education, and maintaining heritage to ensure physical and psychological well-being. Prerequisite: one course in the social sciences. Offered alternate years. (3 sem. hrs.)

### **ANTH 359. The Pacific and Cultural Survival**

This course is a study of Pacific cultures and the social, economic, religious, political, and environmental challenges that threaten their survival. Topics such as global warming, depletion of the natural environment, political unrest, and economic crisis are considered in relation to local cultural responses. Prerequisite: one course in anthropology or sociology. Offered alternate years. (3 sem. hrs.)

### **ANTH 385. Topics in Anthropology**

In-depth study of a selected topic in anthropology. Past topics included: Contemporary Native American Issues. May be repeated for credit with different topics. Offered as needed. (2-4 sem. hrs.)

### **ANTH 399. Independent Study in Anthropology**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered as needed. (1-3 sem. hrs.)

## **ART**

### **ART 118. Three-Dimensional Design**

A fundamental sculpture design course with emphasis on experimentation with materials, forms, and images. Found objects, string, rope, twine, wire, glue, cardboard, foamcore, Styrofoam, wood, plaster, clay, etc. will be used. Wood cutting and carving, plaster mold-making, and ceramic processes will be introduced. Materials fee: \$50. Offered alternate years. (3 sem. hrs.)

### **ART 119. Visual Organization**

Principles of two-dimensional design and color theory will be explored in studio-based projects drawing from a variety of disciplines. Current and historical examples will be emphasized, encouraging fluency with our contemporary visual culture. Materials fee: \$50. Offered alternate years. (3 sem. hrs.)

### **ART 121. Beginning Drawing**

Students will learn the fundamentals of representational drawing, with an emphasis on hand-eye coordination, observation, and skilled technique. Materials fee: \$40. Offered every fall. (3 sem. hrs.)

### **ART/BKRT 127. Introduction to Print and Graphic Design**

Fundamental principles of graphic design and visual communication. Content to include current techniques and tools, including digital processes along with historical processes and hands-on work. Materials fee: \$50. Offered alternate years. (3 sem.hrs.)

### **ART 223. Painting I**

Introductory class in painting, focusing on technique and craftsmanship in support of content. Coursework will explore topics including representation, expression, and non-objectivity, in both studio projects and engagement with historical and contemporary examples. Co-requisite: ART 119 or ART 121. Materials fee: \$50. Offered alternate spring semesters. (3 sem. hrs.)

### **ART 241. Introduction to Oxidation Fired Pottery**

An introduction to pottery course. The ceramic vessel tradition will be explored using oxidation glazes and firing techniques. The development of vivid surface colors will also be explored. Materials fee: \$50. Offered annually fall semester. (3 sem. hrs.)

### **ART 242. Introduction to Reduction Fired Pottery**

An introduction to hand-building and throwing techniques and the ceramic process, using High-Fire gas kiln reduction firing methods. The emphasis will be on hand-building, wheel work, form, and function in the ceramic vessel tradition. Materials fee: \$50. Offered annually spring semester. (3 sem. hrs.)

**ART 260. Introduction to Darkroom Photography**

Introduction to black and white photography focusing on 35 mm SLR camera use, film development and enlargement, and darkroom techniques. Students will also be introduced to historical and contemporary approaches to darkroom photography. \$50 materials fee. Offered alternate years. (3 sem. hrs.)

**ART 261. Photographic Digital Imaging**

An introductory course in digital photographic processes. Students engage with contemporary critical conversations related to digital photography while learning to use Photoshop, DSLR cameras, scanners, and inkjet printers. Materials fee: \$50. Offered alternate years. (3 sem. hrs.)

**ART 262. Alternative Video in Art and Society**

This studio seminar examines time-based art practices used to foster social engagement, political action, and the development of community. Students will shoot, edit, and share video while developing an understanding of the historical & cultural precedents for alternative video production. (3 sem. hrs.)

**ART 285/385. Special Topics in Studio Art**

In-depth study of a selected topic in Studio Art. May be repeated for credit with different topics. Offered as needed. (3 sem. hrs.)

**ART 290/390. Internship in Studio Art**

Individually arranged participation in the work of an institution devoted to the visual arts, such as an advertising agency, artist's studio, or design firm. May be repeated for credit. Graded: S/U. Offered every semester. (2-4 sem. hrs.)

**ART 323. Painting II: Oil Painting**

Advanced coursework in techniques, strategies, and concepts pertaining to painting, with particular emphasis on the development of an intermediate-level studio practice. Coursework will encourage students to engage with issues and concerns in contemporary Painting. Prerequisite: ART 121 or ART 223. Materials fee: \$50. Offered alternate years. (3 sem. hrs.)

**ART 350. Creative Art Projects**

Advanced study focusing on purposefully merging concepts and techniques, developing informed creative thinking skills. Coursework includes assigned readings, studio projects developed in consultation with instructor, and research. This course increases contemporary art awareness, conceptual intentionality, and technical skill. Prerequisite: Junior VART Major concentration in Book Arts or Studio Art. May be repeated for credit. Offered annually spring semester. (4 sem. hrs.)

**ART 395. Tutorial in Art**

Advanced work in ceramics, photography and lithography. Materials fee: \$50. Offered as needed. (1 semester hour)

**ART 396. Tutorial in Art**

Advanced work in ceramics, photography and lithography. Materials fee: \$50. Offered as needed. (2 sem. hrs.)

**ART 399. Independent Study in Studio Art**

Prerequisite: two studio art courses and demonstrated advanced skills. May be repeated for credit. Materials fee: \$50. Offered every semester. (1-3 sem. hrs.)

## ART HISTORY

**ARTH 101. Prehistoric to Renaissance Survey**

A survey of major monuments in the history of art and an overview of their relationships to the cultures that produced them. Emphases on literature, politics, philosophy, religion, or society varies according to the period. Offered annually fall semester. (3 sem. hrs.)

**ARTH 102. Renaissance to Contemporary Survey**

A survey of major monuments in the history of art since 1600, and an overview of their relationships to the cultures that produced them. Emphases on literature, politics, philosophy, religion, or society varies according to the period. Offered annually spring semester. (3 sem. hrs.)

**ARTH 105. Art of Non-Western Cultures Survey**

A survey of art, architecture and other monuments outside the Western tradition and an overview of their relationships to the cultures that produced them. Topics will include the arts of India, China, Japan, Islamic cultures, Africa, Oceania, and native cultures of the Americas. Offered alternate fall semester. (3 sem. hrs.)

**ARTH 235. Contemporary Art**

This class will introduce visual and conceptual expressions from recent decades. Students will examine contexts of contemporary politics, markets and aesthetics, and will be introduced to theoretical concepts in order to understand expressions of identity, globalization, technology and postmodernism among other principles. Offered annually. (3 sem. hrs.)

**ARTH 255. A Survey of Renaissance Art**

A survey of the major forms and directions in Italian art from the 14th through the 17th centuries. Prerequisite: 100-level art history course. Offered occasionally. (3 sem. hrs.)

**ARTH 270. A Survey of Modern Art**

A survey of European and American art from 1750 to the present. Offered alternate fall semester. (3 sem. hrs.)

**ARTH 285/385. Topics in Art History**

In-depth study of a selected topic in art history. May be repeated for credit with different topics. Past topics have included Latin American Arts, Shaping Sacred Spaces: Italy 1200-1680, Art and Commerce, Medieval Illuminated Manuscripts, Survey of Baroque Art, and Islamic Art in the Mediterranean. Offered as needed. (3 sem. hrs.)

**ARTH 290/390. Internship in Art History**

Individually arranged participation in the work of an institution devoted to the visual arts, such as museums, galleries, or libraries. Prerequisite: permission of instructor. Graded: S/U. May be repeated for credit. Offered as needed. (2-4 sem. hrs.)

**ARTH 299/399. Independent Study in Art History**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1-3 sem. hrs.)

**ARTH 395. Tutorial in Art History**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. Offered as needed. (1 sem. hr.)

**ARTH 401. Senior Seminar in Art History**

A research seminar leading to the development of students' individual research priorities, bibliography, and thesis proposal. Prerequisite: Senior ARTH major and VART 300. Offered as needed, fall semester. (2 sem. hrs.)

**ARTH 402. Senior Essay in Art History**

A research paper and presentation on a topic approved by the instructor. Prerequisite: ARTH 401. Offered as needed, spring semester. (2 sem. hrs.)

## ARTS (INTERDISCIPLINARY)

**ARTS 285/385. Special Topics in the Arts**

In-depth study of a selected topic in the arts. May be repeated for credit with different topics. Offered alternate years. (2-4 sem. hrs.)

**ARTS 310. Women and the Arts**

The course focuses on art of the 19th and 20th centuries by and about women. Some questions to be addressed include: Is the category of gender applicable to aesthetic considerations in the arts? What is masculine and feminine in the arts? Are political concerns relevant to analysis of the arts? Offered as needed. (3 sem. hrs.)

## AMERICAN SIGN LANGUAGE

### **ASL 101 and ASL 102. Elementary American Sign Language**

Courses are designed to develop the skills and knowledge needed to communicate in American Sign Language. Students are first introduced to basic sign language vocabulary, fingerspelling, and aspects of American Deaf culture and history in 101. In 102, students continue to develop American Sign Language vocabulary and finger spelling learning sentence construction as well. Students will continue to learn about Deaf culture, community, and education. Offered annually, 101 in the fall, 102 in the spring. (3 sem. hrs. each)

## BIOLOGICAL AND CHEMICAL SCIENCES

### **BCS 105L. Forensic Science**

A general introduction to forensic science as applied to criminal investigation and related fields. Focuses on applied principles of physics, chemistry and biology, and on laboratory techniques and procedures. Offered alternate year spring semester. (4 sem. hrs.)

### **BCS 290. Internship in Biological and Chemical Sciences**

These introductory internships provide an opportunity for well-qualified students considering careers in the biological and chemical sciences. Interns will work with professional scientists. Each student will give a public presentation of her or his internship upon her or his return to campus. Prerequisite: two 100-level BIOL courses or CHEM 107L and CHEM 108L, or permission of instructor. Graded: S/U. May be repeated for credit. Offered every semester. (2-4 sem. hrs.)

### **BCS 390. Advanced Internship in Biological and Chemical Sciences**

This program is intended to encourage advanced students of biological and chemical sciences to discover the areas of overlap between academic study and the application of scientific knowledge and techniques. Work sites may include hospitals, foundations, clinics, and research laboratories of academic, government or industrial affiliation. Students will consult with the instructor during the development of their internships. Upon return to campus, interns will give a public presentation with written and oral components. Prerequisite: five courses in biology and/or chemistry, or permission of instructor. Graded: S/U. May be repeated for credit. Offered every semester. (2-4 sem. hrs.)

### **BCS 398. Independent Research in Biology and Chemistry**

Supervised research in selected areas of biology and chemistry, which may include experimental work in the laboratory or field as well as in-depth library research. Prerequisite: four courses in biology and/or chemistry and permission of instructor. May be repeated for credit. Offered every semester. (1-4 sem. hrs.)

### **BCS 399. Independent Study in Biological and Chemical Sciences**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1-3 sem. hrs.)

### **BCS 401. Advanced Research**

Original laboratory or field research on a biological or chemical problem. Prerequisite: junior or senior class standing and permission of instructor. May be repeated for credit. Offered every semester. (1 or 2 sem. hrs.)

### **BCS 402. Senior Research Paper in Biological and Chemical Sciences**

Independent research paper on a biological or chemical problem, developed under the supervision of a BCS faculty member. Includes constructing a bibliography of relevant literature and writing a paper examining literature. Students who have performed independent laboratory or field research are encouraged to use their results as the focus of this paper. Prerequisite: permission of instructor. Offered annually fall semester. (2 sem. hrs.)

### **BCS 403. Senior Seminar in the Biological and Chemical Sciences**

This capstone course covers current research literature in biological and chemical sciences. Students will write and present paper summaries for discussion that are appropriate for both a scientific and non-scientific audience. Post-graduate career opportunities, and how to pursue them, will be considered. Prerequisite: Senior standing. Offered annually fall semester. (4 sem. hrs.)

## BIOLOGY

Students may not take two 100-level courses in Biology concurrently.

### **BIOL 119L. Ecology and Evolution**

Organic evolution, the unifying concept in biology, and its relationship with ecology, the distribution and abundance of organisms. The role of ecology and evolution in environmental science and conservation biology. Offered annually in the fall semester. (4 sem. hrs.)

### **BIOL 130L. Biology of Organisms**

The study of the diversity of organisms in all three domains, Archaea, Bacteria and Eukarya, focusing on the fungal, plant and animal kingdoms. The organ structure and functions of these organisms, their reproduction and their development will be studied in an evolutionary context. Offered annually in the spring semester. (4 sem. hrs.)

### **BIOL 185/285/385. Topics in Biology**

In-depth study of a selected topic in biology. Investigation of biological topics of special interest to faculty or students. Areas of applied biology (e.g. health, agriculture, horticulture, conservation) or in-depth study of a particular taxon (e.g., ornithology, bryology, entomology) are likely topics. Level of instruction depends on the topic. Past topics have included "The Biology of Humans," "Ornithology," and "Enology: The Science of Wine." May be repeated for credit with different topics. Offered occasionally. (2-4 sem. hrs.)

### **BIOL 214L. Anatomy and Physiology I**

Human anatomy and physiology of selected body systems including sensory systems, reproduction, locomotion, nutrition, and metabolism. Laboratories will include anatomical study specimens as well as physiological exercises using student volunteers. Prerequisite: BIOL 130L. Offered annually fall semester. (4 sem. hrs.)

### **BIOL 226L. Genetics**

An introduction to principles of genetics ranging from molecules through populations, covering the genetics of various organisms, theory and practice of standard techniques, and consideration of the promise AND potential ethical dilemmas accompanying new genetic technologies and genomic analyses. Offered annually spring semester. Prerequisite: Chem 213L, 1 semester of any of the 100-level biology classes, or permission of instructor. (4 sem. hrs.)

### **BIOL 304L. Vertebrate Zoology**

The classification, comparative morphology, and evolution of vertebrates. Demonstrations and dissections of selected vertebrates. Prerequisite: BIOL 130L or 214L and another 100-level BIOL course, or permission of instructor. (4 sem. hrs.)

### **BIOL 305. Terrestrial Field Biology**

This course is designed to teach students the major plants and animals found in the habitats of central New York. Students will be able to identify approximately 200 common taxa of plants, mammals, birds, reptiles and amphibians, and insects in the Northeastern region, and will understand the natural history of those species and their relationship to the environment. Prerequisite: BIOL 130L or permission of instructor. (3 sem. hrs.)

### **BIOL 309. Cellular Biology**

A study of cell structure and function, emphasizing molecular components. Topics include metabolism, signaling, secretion, organelle function, growth and division, motility, and death. Laboratory exercises include light and fluorescent microscopy, immunostaining, protein analysis, and cell fractionation. Prerequisites: BIOL 214L, BIOL 130L, BIOL 226L, CHEM 107L, CHEM 108L. Offered every other year during the fall semester. (3 sem. hrs.)

### **BIOL 310L. Microbiology**

The structure, physiology, genetics, and immunology of microorganisms and their applications to fields such as foods, sanitation, and medicine. The laboratory stresses bacteriological laboratory techniques as well as recombinant DNA technology. Prerequisite: BIOL 130L and BIOL 226L, plus CHEM 213L, or permission of instructor. (4 sem. hrs.)

### **BIOL 312L. Molecular Biology**

A molecular genetics course covering structure, function, and regulation of prokaryotic and eukaryotic genomes. The laboratory focuses on applications of current nucleic acid and protein analyses and manipulations. Prerequisite: BIOL 126L and CHEM 214L. (4 sem. hrs.)

**BIOL 324L. Animal Behavior**

An ecological and evolutionary approach to animal behavior. Lectures and discussions cover feeding, sexual behavior, aggression, cooperation, communication, and the evolution of social behavior. Weekly laboratory and field sessions concentrate on the quantitative study of the behavior of captive and free-living animals. Prerequisite: BIOL 119L and BIOL 130L or POI. (4 sem. hrs.)

**BIOL 325L. Limnology**

The biological, chemical, geological, and physical aspects of fresh waters. Emphasis will be on the study of lakes and streams as ecosystems, although consideration will also be given to the biology of the organisms that inhabit these bodies of water. Prerequisite: BIOL 119L and BIOL 130L or ENVR 101, or POI. (4 sem. hrs.)

**BIOL 330L. Anatomy and Physiology II**

Basic physiological mechanisms in animals, including a detailed analysis of the physiology of neural control, excretion, movement, respiration, nutrition, thermoregulation, and reproduction. Prerequisite: BIOL 226L, BIOL 130L, BIOL 214L, or permission of instructor. (4 sem. hrs.)

**BIOL 331. Developmental Biology**

The patterns and mechanisms of development in animals including gametogenesis, totipotency, cellular interactions, and genetic control of development. Prerequisite: BIOL 130L and BIOL 226L, or permission of instructor. (3 sem. hrs.)

**BIOL 363. Advanced Ecology**

The interactions that determine the distribution and abundance of organisms. Prerequisite: BIOL 119L and BIOL 130L or permission of instructor. May be repeated for credit with different topics. Offered alternate fall semesters. (3 sem. hrs.)

**BIOL 395. Tutorial in Biology**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**BIOL 399. Independent Study in Biology**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1-3 sem. hrs.)

## BOOK ARTS

**BKRT 105. Introduction to Calligraphy**

An introduction to the principles of calligraphy through the study of three hands: Roman, Humanistic Miniscule and Italic. Emphasis is on practice and technique, with time devoted to the history of letter forms and to individual projects. Tool kit: \$80. Offered annually fall semester. (3 sem. hrs.)

**BKRT 115. Hand Bookbinding I**

This course introduces students to traditional bookbinding techniques by familiarizing them with the tools, materials and techniques of the craft. Students are expected to produce a set of book models that are clean, structurally sound, and consistent with the class demonstration. Lab/Tool kit fee: \$75. Offered every semester. (3 sem. hrs.)

**BKRT 120. Letterpress Printing**

Introduction to letterpress printing. Demonstrations, readings, and assignments on the mechanics of handsetting and printing from metal type. Traditional and artistically innovative approaches to using this medium will be covered. Each student will create her or his own individual projects: postcards, broadsides, book, etc. Lab/materials fee: \$75. Offered every semester. (3 sem. hrs.)

**BKRT 121. Hand Papermaking**

Students will learn the basic techniques, materials, processes, and concepts used in the Papermaking Studio. Technique will be taught as a method of investigation, a material exploration of ideas. Projects will focus on using papermaking as an image making tool and sculptural material. Projects engaging micro-industry, environmental, and community building models will also be considered. Students will gain skills in harvesting and beating a variety of fibers, sheet forming, watermaking, pulp painting, and high-shrinkage techniques. Additional fee; \$50 (1 sem. hr.)

**ART/BKRT 127. Introduction to Print and Graphic Design**

Fundamental principles of graphic design and visual communication. Content to include current techniques and tools, including digital processes along with historical processes and hands-on work. Materials fee: \$50. Offered alternate years. (3 sem. hrs.)

**BKRT 215. Hand Bookbinding II**

As a continuation of Binding I we will discuss topics related to craftsmanship. While learning more complex structures we will learn experimental image-making techniques with contemporary letterpress printing. The students will create a series of editioned books. Prerequisite: permission of the director of the Book Arts Center. Lab fee: \$75. Offered as needed. (3 sem. hrs.)

**BKRT 220. Digital Book and Graphic Design**

Students will explore classical design principles while learning the digital medium of Adobe InDesign, today's principal publishing and graphic arts design tool. Poster and brochure design will prepare students for the final project of a short, digitally produced hand-bound volume. Prerequisite: permission of the director of the Book Arts Center. Lab fee: \$40. Offered annually. (3 sem. hrs.)

**BKRT 225. The History of the Book**

Surveys the development of the codex, from its beginnings as a parchment manuscript to a printed book on paper. Broad themes such as patronage, manufacture, usage and reception are considered, as well as the evolution of writing, papermaking and bookbinding. Prerequisite: permission of the director of the Book Arts Center. Offered as needed. (3 sem. hrs.)

**BKRT 320. The Printed Book**

Each student will produce an edition of letterpress printed books with text and images. Image-making using linoleum blocks, pressure printing, and polymer plates will be taught, as well as simple bookbinding techniques. Collographs and polymer plates will be taught, as well as simple bookbinding techniques. Prerequisite: BKRT 120 or permission of the director of the Book Arts Center. Lab/materials fee: \$75. (3 sem. hrs.)

**BKRT 285/385. Topics in the Book Arts**

In-depth study of a selected topic in the book arts. Topics may include paper making, marbling, calligraphy, publication, etc. Materials fee may be required. May be repeated for credit with different topics. Past topics have included: Inspiration and the Medieval Binding, and Introduction to Box Making. Prerequisite: permission of the director of the Book Arts Center. Offered as needed. (2-4 sem. hrs.)

**BKRT 290/390. Internship in the Book Arts**

Individually arranged participation in the work of an institution devoted to the book arts. May be repeated for credit. Graded: S/U. Offered every semester. (2-4 sem. hrs.)

**BKRT 299/399. Independent Study in the Book Arts**

Prerequisite: permission of the director of the Book Arts Center. Materials fee may be required. May be repeated for credit. Offered as needed. (1-3 sem. hrs.)

## BUSINESS

**BUS 100. Principles of Business**

This course emphasizes on the introduction to the business (profit and non-profit) and how it plays a collaborative role amongst all the related functions in an organization accomplishing overall business objectives. Students will be introduced to key concepts in finance, marketing, production and other functional management areas. Every Fall semester. (3 sem. hrs.)

**BUS 201. Principles of Management**

Introduction to management. Topics include overview of the management process, management theory, the environment of business, planning and strategy, management functions, and organization design. Offered annually fall semester. (3 sem. hrs.)

**BUS 202. Principles of Marketing**

An analytical study of marketing fundamentals, with attention given to marketing as a business function, policies and institutions involved in the distribution of goods, product development, pricing and consumer behavior. Prerequisite: ECON 101 and BUS 201. Offered alternate fall semesters. (3 sem. hrs.)

**BUS 203. Social Entrepreneurship**

A practical and theoretical introduction to the field of social entrepreneurship in which entrepreneurs are using business methods to help solve social challenges often ignored by commerce. Topics include: developing initiatives to make a positive social impact, interpreting the underlying mission of B corporations, and comparing and contrasting opportunities for social intrapreneurship. Offered alternate spring semesters. (3 sem. hrs.)

**BUS 204. Business Analytics**

Business Analytics is the study of data through statistical and operations analysis, the formation of predictive models, application of optimization techniques and the communication of these results to customers, business partners and colleague executives. Students will master the skills of data analysis, modeling, and spreadsheet use with BUSINESS ANALYTICS when making business decisions in areas such as accounting, finance, human resources, marketing and operations management. This quantitative methods course provides students with the tools to succeed with a student-friendly writing style and complete Excel integration. (3 sem. hrs.)

**BUS 213. Principles of Accounting I**

An introduction to basic bookkeeping principles, including analysis of transactions, journal entries, posting to ledger accounts, computer applications, and preparation of the trial balance, income statement, balance sheet and cash flow statements. Offered annually in the fall semester. (3 sem. hrs.)

**BUS 214. Principles of Accounting II**

A study of those accounting concepts employed by internal management. Cost-volume-profit relationships, budgeting, cost accounting, capital planning and price estimating are some of the topics covered. Prerequisite: BUS 213 or equivalent. Offered alternate spring semesters. (3 sem. hrs.)

**BUS 220. International Business**

This course covers the socioeconomic, political, cultural, and legal environments in which international business decisions are made. The course develops skill in methods and strategies of conducting international and multinational business in a global context. Prerequisite: ECON 101 and/or ECON 102 or BUS 201. Offered alternate spring semesters. (3 sem. hrs.)

**BUS 230. Introduction to Human Resource Management**

Principles of managing personnel in an organization. Topics include hiring, training, evaluating and compensating employees. Prerequisite: BUS 201. Offered annually fall semester. (3 sem. hrs.)

**BUS 231. Principles of Project Management**

This course will introduce students to project management fundamentals, with an emphasis on planning. Students will acquire knowledge on areas such as project life cycles, organization and charters, work breakdown structures, responsibility matrixes and the planning, budgeting and scheduling of systems. Prerequisites: BUS 201 and MATH 151. Offered every fall semester. (3 sem. hrs.)

**BUS 250. Innovation, Creative Problem Solving**

Students learn a creative problem-solving methodology consisting of developing empathy, prototyping process, collaboration, iteration and feedback. The objective is to enable students to address challenges in business and other disciplines, such as the social and physical sciences. Offered annually. (3 sem. hrs.)

**BUS 253. Investment Management and Strategies**

An introduction to investments, markets asset classes and account types, combined with methodologies to develop investment strategies. Emphasis on practical knowledge in order to make personal investment decisions and guide the Wells Affiliates Portfolio. Prerequisite: BUS 100 or WLLS 110 or BUS 213. (3 sem. hrs.)

**BUS 302. Brand Management**

Brand management is the discipline that links strategic business objectives, marketing and operations. The fundamental focus of this course is to deliver theoretical and practical understanding of brand management in order to leverage marketing efficiencies in organizations. High performance companies (for-profit or not-for-profit) understand the importance of their brand and actively manage brand equity. This course will address the importance of brands building, measuring and managing. Prerequisites: ECON 102, BUS 201 and BUS 202. (3 sem. hrs.)

**BUS 303. Entrepreneurship and Small Business Management**

A practical and theoretical introduction to the issues faced by small business people. Topics include: establishing and funding the business or social organization, finance, marketing and personnel management. Prerequisite: BUS 100 or BUS 201, or permission of instructor. (3 sem. hrs.)

**BUS 305. Legal Environment of Business**

Introduction to the legal system and business law. Students will learn about the legal system, constitutional and administrative law, contracts, torts, product liability and employment law. Prerequisite: POLS 155 or BUS 201, or permission of instructor. Offered annually. (3 sem. hrs.)

**BUS 310. Corporate Finance**

A study of the theory and practice of corporate financial decision-making. Topics include investment decisions and securities analysis, capital structure and budgeting, working capital management, and strategic planning. Prerequisite: ECON 101 or ECON 102, BUS 201, and BUS 213. (3 sem. hrs.)

**BUS 350. Business Strategy**

A study of the theory and practice of corporate decision-making in areas of markets, products, competitive analysis, organizational design, differentiation, technology and other external and internal factors. Topics are taught using the case-study method. Prerequisites: ECON 101 and ECON 102, BUS 201. (3 sem. hrs.)

**BUS 360. Strategic Marketing and E-commerce**

A study of the theory and practice of utilizing databases and the internet to increase the effectiveness of sales and marketing for businesses and fundraising and servicing for social organizations. Topics are taught and extensively illustrated through use of the internet. Prerequisites: ECON 101 or ECON 102, BUS 201, MATH 151, and BUS 202. (3 sem. hrs.)

**BUS 365. Business Sustainability and Social Responsibility**

Course provided a unique focus regarding the burgeoning concern for sustainability and sustainable organizational practices. The course looks at how large multinational corporations, as well as smaller organizations, are making substantial commitments to the "triple bottom line" of economic success, social responsibility, and environmental protection. Prerequisite: BUS 100, BUS 201, SUS 101, or permission of instructor. (3 sem. hrs.)

**BUS 368. Sales and Sales Management**

This course covers the important but increasingly complex skills necessary to both sell effectively and manage a sales force selling physical and intangible goods. Topics are taught and extensively illustrated through case-studies. Prerequisite: BUS 201, BUS 202, MATH 151 or MATH 251. (3 sem. hrs.)

**BUS 385. Topics in Contemporary Business Issues**

In-depth study of a selected topic in business. Application of economic theories and management principles to current business issues. Topics will vary with student interest, and the course may be taught by visiting faculty. Prerequisite: ECON 101 or ECON 102, and BUS 201. May be repeated for credit with different topics. Offered alternate spring semesters. (2-4 sem. hrs.)

**BUS 290/390. Internship in Business**

Individually arranged participation in the work of an institution devoted to business. May be repeated for credit. Graded: S/U. Offered every semester. (2-4 sem. hrs.)

**BUS 395. Tutorial in Business**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**BUS 402. Senior Seminar in Business**

Students complete a senior research report in an acceptable business format to completely explore a topic of current relevance in business or management. Research topic must be approved in advance by Business Center Director. Prerequisite: Completed all Business Major requirements and permission of Business Center Director. Offered annually spring semesters. (4 sem. hrs.)

## CHEMISTRY

**CHEM 107L. General Chemistry**

A study of the properties of matter with emphasis upon the relation of properties to structure: atomic theory, chemical bonding, the periodic table, and stoichiometry. Offered annually fall semester. (4 sem. hrs.)

**CHEM 108L. Chemical Analysis**

The second semester of the introductory chemistry sequence. A study of solutions, solubility, chemical equilibria, acid-base theory, oxidation-reduction reactions, kinetics, and thermodynamics. Quantitative analytical methods, such as volumetric, gravimetric, colorimetric, and electroanalytic techniques will be emphasized in the laboratory. Prerequisite: CHEM 107L. Offered annually spring semester. (4 sem. hrs.)

**CHEM 213L. Organic Chemistry I**

Structure, nomenclature, physical properties, stereochemistry, reactions, and reaction mechanisms of alkanes, alkyl halides, alkenes, alkynes, alcohols, ethers, and conjugated compounds will be studied. Introduction to infrared and nuclear magnetic resonance spectroscopy in structure determination. Prerequisite: CHEM 108L. Offered annually fall semester. (4 sem. hrs.)

**CHEM 214L. Organic Chemistry II**

A continuation of CHEM 213L. There will be an emphasis on reaction mechanisms, the chemistry of functional groups and the logic of synthesis. Additional topics include an introduction to infrared and nuclear magnetic resonance spectroscopy in structure determination. Prerequisite: CHEM 213L. Offered annually spring semester. (4 sem. hrs.)

**CHEM 301. Physical Chemistry**

Special emphasis on those aspects of the subject pertinent to biology and biochemistry. Gases and liquids; thermodynamics and thermochemistry; properties of solutions; chemical equilibria; electrode potentials; reaction kinetics. Prerequisite: CHEM 213L and MATH 111 and PHYS 111L or permission of instructor. Offered alternate fall semester (3 sem. hrs.)

**CHEM 303. Medicinal Chemistry**

The chemistry, biological evaluation, and mode of action of representative types of drugs; consideration of structure-activity relationships. Current topics selected for detailed study depend upon the interests of those enrolled in the class. Prerequisite: CHEM 214L or permission of instructor. Offered occasionally. (3 sem. hrs.)

**CHEM 308L. Laboratory in Physical Chemistry**

Study of selected physicochemical topics in the laboratory. Examples include calorimetry, bond energies, order in liquid crystals and reaction kinetics. Three hours of laboratory per week. Prerequisite: CHEM 301. Offered alternate fall semester. (1 sem. hr.)

**CHEM 315L. Inorganic Chemistry**

A study of the bonding, structure, and reactions of inorganic complexes with particular attention to coordination compounds. Topics to be discussed include atomic structure, ionic and covalent bonding, valence bond theory, molecular orbital theory, and organometallic chemistry. Prerequisite: CHEM 108L or PHYS 212L or permission of instructor. Offered alternate spring semester. (4 sem. hrs.)

**CHEM 323L. Biochemistry**

A study of the structures of biomolecules and the dynamic aspects of biochemical reactions, especially the structure and reactions of proteins, carbohydrates and lipids, with emphasis on enzyme kinetics and mechanisms, biochemical thermodynamics. Three hours of laboratory per week. Prerequisite: CHEM 214L. Offered alternate fall semester. (4 sem. hrs.)

**CHEM 326. Biochemical Pathways**

A study of the reactions in the biochemical pathways of living organisms, especially metabolism and anabolism of carbohydrates, lipids and proteins, with an emphasis on regulation of interconnected pathways. Prerequisite: Chem 214L or permission of instructor. Offered every other year. (3 sem. hrs.)

**CHEM 327L. Instrumental Analysis**

Introduction to modern physicochemical methods of analysis with discussion of the theoretical concepts involved, and the application of these in the laboratory. Prerequisite: CHEM 214L or permission of instructor. CHEM 315L is highly recommended. Offered alternate spring semester. (4 sem. hrs.)

**CHEM 331. Solid State Chemistry**

A survey of topics in the field of solid state chemistry, including symmetry and group theory, crystallography, crystal lattice packing, and phase diagrams. Particular emphasis will be placed on the relationship of three-dimensional structure to physical and chemical properties. Prerequisite: CHEM 108L or PHYS 212L or permission of instructor. Offered alternate fall semester (3 sem. hrs.)

**CHEM 385. Topics in Chemistry**

In-depth study of a selected topic in chemistry. May be repeated for credit with different topics. Offered as needed. (2-4 sem. hrs.)

**CHEM 395. Tutorial in Chemistry**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**CHEM 399. Independent Study in Chemistry**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1-3 sem. hrs.)

**COMMUNICATION STUDIES****COMM 290. Internship in Communications**

Participation in a field learning experience with a newspaper, magazine, radio, television station, publishing house, advertising agency, or a public relations department. Application to the organization, travel, and living costs and arrangements, are the responsibility of the student. Principally intended for students with a communications minor. Prerequisite: at least one course in the communications minor, preferably FMS 270, or SOC 331, and permission of instructor. Graded: S/U. Offered as needed. (2-4 sem. hrs.)

**COMM 390. Advanced Internship in Communications**

Participation in a field learning experience with a newspaper, magazine, radio, television station, publishing house, advertising agency, or a public relations department. Application to the organization, travel, and living costs and arrangements, are the responsibility of the student. Principally intended for students with a communications minor. Prerequisite: at least one course in the communications minor including one prior communications internship and permission of instructor. May be repeated for credit. Graded: S/U. Offered as needed. (2-4 sem. hrs.)

**COMM 395. Tutorial in Communication Studies**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. Offered as needed. (1 sem. hr.)

**COMPUTER SCIENCE****CS 100. Introduction to Computers and Microsoft Office**

This course covers the fundamentals of modern computing for students in non-technical majors. Topics include operating systems, Microsoft Office Suite, fundamentals of hardware and software, file management, networking and the internet, digital security, and the impact of computing and the internet on society. (3 sem. hrs)

**CS 105. HTML**

An introduction to web page design and construction using the Hypertext Markup Language (HTML). This is a self-scheduled, half-semester course in which the student is responsible for completing a series of tutorials and a project. Graded: S/U. Offered every semester. (1.5 sem. hrs.)

**CS 108. Excel Spreadsheets**

An introduction to Excel spreadsheet software and applications. This is a self-scheduled, half-semester course in which the student is responsible for completing a series of tutorials and a project. Graded: S/U. Offered twice per semester. (1 semester hour)

**CS 109. Access Databases**

An introduction to Access database software and applications. This is a self-scheduled, half-semester course in which the student is responsible for completing a series of tutorials and a project. Graded: S/U. Offered annually fall semester. (1 semester hour)

**CS 131. Programming I: Procedural Methods**

An introduction to computer programming. The course will include basic data and control structures, an overview of program organization and problem solving using structured programming, and recursion. (3 sem. hrs.)

**CS 132. Programming II: Object Orientation**

This is the second course in computer programming and the continuation of CS 131. This semester deals with more advanced topics such as generative recursion while maintaining the strong focus on design principles learned in CS 131. (3 sem. hrs.)

**CS 145. Game Design and Development**

A non-programming study of theories, practices, and techniques of game creation. The focus will alternate between design and development stages. Please note that this course may not be taken concurrently with CS 345. Offered occasionally. (2 sem. hrs.)

**CS 195. Tutorial in C++**

Programming in C++. For students who have programming experience equivalent to CS 131, perhaps in another language, and wish to master C++ syntax as preparation for further work in computer science. Prerequisite: Programming experience equivalent to CS 131 and permission of instructor. Graded: S/U. Offered as needed. (1 sem. hr.)

**CS 225. Computer Organization and Architecture**

Computers operate according to specific organization and logic. The logic is at the most basic level. In order to understand how computers work at the most thorough level, this course emphasizes the importance of understanding their language and organization. Prerequisite: CS 131. Offered alternate spring semesters. (3 sem. hrs.)

**CS 228. Programming Languages Survey**

An introduction to differences among programming languages and commonalities among their features. Students will be introduced to and write basic programs in a handful of modern languages with varying support for static, dynamic, functional, procedural, and object oriented programming. Prerequisite: CS 131 or permission of instructor. Offered alternate fall semesters. (3 sem. hrs.)

**CS 233. Object-Oriented Programming**

This course explores object-oriented programming principles using programming language. Emphasis is placed on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Prerequisites: CS 131 and CS 132, or permission of instructor.

**CS 290. Internship in Computer Science**

Individually arranged work relating to computers in an industrial, academic, or governmental setting. Primary responsibility rests with the student for making her or his own arrangements in consultation with the instructor. Prerequisite: Three hours or equivalent in computer science and permission of instructor. Graded: S/U. May be repeated for credit. Offered every semester. (2-4 sem. hrs.)

**CS 310. Software Engineering**

An introduction to the design and implementation of large software systems. Problem solving approaches are integrated with the software life-cycle considerations, including requirements specification, design, coding, and testing. Prerequisite: CS 132. Offered occasionally. (3 sem. hrs.)

**CS 322. Algorithms: Design and Analysis**

A study of algorithmic solutions to problems, including techniques used in the design of algorithms, analysis of complexity, and proof of correctness. Usual types of algorithms include greedy algorithms, divide and conquer, flow problems, and dynamic programming. Prerequisite: Math 267. Offered alternate spring semesters. (3 sem. hrs.)

**CS 325. Database Systems**

An introduction to database management systems with emphasis on the relational model. Topics include the entity-relationship model, relational algebra and calculus, principles of database design, query processing, and file organization. A project will be implemented in a commercial database package. Prerequisite: CS 132. Offered alternate spring semesters. (3 sem. hrs.)

**CS 341. Linux Systems Administration**

An introduction to Unix/Linux system administration and network administration using Linux and Virtual Machine software. Topics covered include basic operating system concepts, command line administration and utilities, file system management, process control, multitasking, and shell programming. A graphical interface for system administration and management will also be used. Students spend a portion of the class installing, configuring, and administering their own Linux system. (3 sem. hrs.)

**CS 345. GUI Programming**

Fundamentals of programming for a graphical environment. Programming topics include event-driven programming, user interface creation, responder chains, the Model-View-Controller pattern, and software library use. Students will implement a game or application using a framework such as Cocoa, Flash, or Swing. Prerequisite: CS 132 required; CS 228 recommended. Offered alternate spring semesters. (3 sem. hrs.)

**CS 285/385. Topics in Computer Science**

In-depth study of a selected topic in computer science. Past topics have included: Discrete Mathematics with Computer Applications; Network Architecture and Programming. May be repeated for credit with different topics. Offered as needed. (3 sem. hrs.)

**CS 390. Advanced Internship in Computer Science**

Individually arranged work relating to computers in an industrial, academic, or governmental setting mainly for advanced students. Primary responsibility rests with the student for making her or his own arrangements in consultation with the instructor. Prerequisite: CS 290 and permission of instructor. Graded: S/U. May be repeated for credit. Offered every semester. (2-4 sem. hrs.)

**CS 395. Tutorial in Computer Science**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**CS 399. Independent Study in Computer Science**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1-3 sem. hrs.)

**CREATIVE WRITING****CREA 271. Short Story Writing**

Practice in fiction writing, including exercises in point-of-view, dialogue, setting a scene, and introducing characters. Emphasis will be on student writing in a workshop format, but stories by outside authors, including visiting writers, will also be studied. Prerequisite: ENGL 104 or ENGL 206 or equivalent and permission of instructor. Offered annually spring semester. (3 sem. hrs.)

**CREA 272. Poetry Writing**

Practice in writing poems, with discussion focusing on imagery, rhythm, voice, and aspects of formal construction. Emphasis will be on student poetry in a workshop format, but poems by outside authors, including visiting writers, will also be studied. Prerequisite: ENGL 104 or ENGL 206 or equivalent. Offered annually fall semester. (3 sem. hrs.)

**CREA 275. Creative Nonfiction**

Practice in writing creative nonfiction, with emphasis on student essays in a workshop format. Discussion will focus on elements of craft, style, and discovery of individual voice and subject. Work by outside authors, including visiting writers, will also be studied. Prerequisite: ENGL 104 or ENGL 206 or equivalent. Offered annually. (3 sem. hrs.)

**CREA 371. Advanced Fiction Writing**

Advanced work in fiction writing for those who have distinguished themselves in CREA 271. Workshops and conferences. Some classes to be taught by visiting writers. Prerequisite: CREA 271 and permission of instructor. Offered alternate years. (3 sem. hrs.)

**CREA 372. Advanced Poetry Writing**

Advanced work in poetry writing for those who have distinguished themselves in CREA 272. Workshops and conferences. Some classes to be taught by visiting poets. Prerequisite: CREA 272 and permission of instructor. Offered alternate years. (3 sem. hrs.)

**CREA 375. Advanced Creative Nonfiction**

Advanced work in creative nonfiction writing for those who have distinguished themselves in CREA 275, workshops and conferences. Some classes to be taught by visiting writers. Prerequisite: CREA 275 and permission of instructor. Offered alternate years. (3 sem. hrs.)

**CRIMINAL JUSTICE****CRIM 115. Introduction to Criminology**

This course critically examines the development of classical and contemporary theories of crime, historical and contemporary crime trends in the U.S., official data sources, and the criminal justice system. Offered every fall semester. (3 sem. hrs.)

**CRIM 201. Juvenile Justice**

While young people have always been involved in rule-breaking behavior, it was not until the early 19th century that the concept of the juvenile delinquent took shape. Through reading and discussion, we trace the development of this social category and explore the criminal justice system's response to this particular type of offender. (3 sem. hrs.)

**CRIM 285/385. Special Topics in Criminal Justice**

In-depth study of a selected topic in crime. May be repeated for credit with different topics. Offered as needed. (2-4 sem. hrs.)

**CRIM 290. Internship in Criminal Justice**

Individually arranged participation in work of institutions devoted to social control or criminal justice. The setting may include prisons, police departments, the courts, etc. Costs and arrangements are the responsibility of the student. Graded: S/U. Offered every semester. (3-4 sem. hrs.)

**CRIM 301. Criminal Justice**

This course provides an overview of the U.S. criminal justice system. Topics will include the development of law, the enforcement of law by the police, the determination of guilt and innocence by the courts, and sentencing. Prerequisite: CRIM 115 or sophomore standing, or permission of instructor. Offered every fall semester. (3 sem. hrs.)

**CRIM 302. Corrections**

This course examines the history, development and current status of the U.S. correctional system. Topics will include the correctional system's efforts at punishing and/or rehabilitating offenders through incarceration (e.g., jail, prison and other residential facilities), probation and parole. Prerequisite: CRIM 115 or sophomore standing, or permission of instructor. Offered every spring semester. (3 sem. hrs.)

**CRIM 303. Comparative Systems of Social Control**

The study of criminal justice in contemporary society requires a focus on the diverse institutions and mechanisms of justice and social control that exist throughout the developed and developing world. Through a cross-cultural comparative approach, the course will explore contemporary topics in international law, including genocide, caste-system, transnational crimes. Prerequisite: CRIM 115, CRIM 301, or permission of instructor. (3 sem. hrs.)

**CRIM 390. Internship in Criminal Justice**

Individually arranged participation in work of institutions devoted to social control or criminal justice. The setting may include prisons, police departments, the courts, etc. Students will develop at a more advanced level the skills and techniques demanded for in a previous criminal justice internship. Costs and arrangements are the responsibility of the student. Graded: S/U. Offered every semester. (3-4 sem. hrs.)

**CRIM 399. Independent Study in Criminal Justice**

Individually arranged readings and assignments in a focused area within criminal justice arranged in consultation with the minor coordinator. Prerequisite: permission of instructor and approval. Offered every semester. (1-3 sem. hrs.)

**CRIM 401. Senior Research Seminar**

This course requires seniors majoring in criminal justice to prepare an essay based on class work and original individual research and to present this work to the campus community. Prerequisite: senior criminal justice majors. Offered every spring semester. (4 sem. hrs.)

## DANCE

**DANC 205. Modern Dance Technique I**

Foundations of Western modern dance technique, for less experienced dancers. Students work from an anatomical and movement analysis perspective to improve alignment, strength, flexibility, dynamic range, style, expressiveness. Introduces a range of contemporary techniques. Satisfies physical education activity requirement. May be repeated for credit. Offered annually in the fall semester. (2 sem. hrs.)

**DANC 206. Ballet Technique I**

Foundations of classical ballet technique, for less experienced dancers. Develops alignment, strength, flexibility, dynamic range, style, expressiveness. Articulation of Russian and Italian ballet styles. Satisfies physical education activity requirement. May be repeated for credit. Offered annually. (2 sem. hrs.)

**DANC 210. Dance Technique**

This course will teach students the foundations of dance technique. Students will develop strength, flexibility, creativity, dynamic range and style. The genre of dance changes each semester; therefore, this class may be repeated for credit. (2 sem. hrs.)

**DANC 279. Rehearsal and Performance/Dance (Student)**

Performing, stage managing or serving as assistant choreographer for a student senior thesis work in dance.

Experiential learning: students develop performance skills, discipline, collaborative leadership ability and an understanding of theatrical production. Graded: S/U. May be repeated for credit. (1-3 sem. hrs.)

### **DANC 305. Modern Dance Technique II**

In depth study of principles and techniques of modern dance, for more experienced dancers. Further develops physical skills, performance presence, musicality. Students study and compare a range of contemporary techniques (Cunningham, Limón, Hawkins) from a Laban Movement Analysis perspective. Satisfies physical education activity requirement. Prerequisite: DANC 205 or DANC 206 or DANC 207 or permission of instructor. May be repeated for credit. Offered annually in the spring semester. (2 sem. hrs.)

### **DANC 306. Ballet Technique II**

In depth study of principles and techniques of classical ballet, for more experienced dancers. Further develops alignment, strength, flexibility, dynamic range, style, expressiveness. Emphasis on both historical perspective and current developments in ballet training, as well as musicality and performance quality. Satisfies physical education activity requirement. Prerequisite: DANC 205 or DANC 206 or permission of instructor. May be repeated for credit. Offered annually. (2 sem. hrs.)

### **DANC 316. Dance History**

A cross-cultural study of Western and non-Western theatrical and ritual dance, with attention to selected choreographers, performers and theorists. Students improve ability to perceive, analyze and articulate the visual-kinesthetic experience of dance. Movement analysis theory and issues in dance criticism explored by viewing live and recorded performances. Prerequisite: any 100-level course in theatre, dance, music, art history or studio art, or permission of instructor. Offered alternate years. (3 sem. hrs.)

### **DANC 349. Advanced Rehearsal and Performance/Dance (Student)**

Performing at an advanced level, stage managing, or service as assistant choreographer for a student senior thesis work in dance. Students further develop performance skills, discipline, collaborative leadership ability and an understanding of theatrical production. Prerequisite: permission of instructor; corequisite: for performers, any dance technique class. Graded: S/U. May be repeated for credit. Offered annually. (1-3 sem. hrs.)

### **DANC 395. Tutorial in Dance**

One-hour tutorial in dance; selected topics. Recent topics include: Teaching Dance; Advanced Dance Studies; Advanced Solo Repertory; Advanced Choreography; and Bodywork. May be repeated for credit with different topics. Offered as needed. (1 sem. hr.)

## **ECONOMICS**

### **ECON 101. Principles of Macroeconomics**

An in-depth survey of the basic principles of economic analysis and their application with emphasis on the macroeconomic concepts and issues of aggregate income, economic growth, employment, unemployment, inflation and interest rates. The effects of fiscal and monetary policies on the economy and their role in economic stabilization are studied. (3 sem. hrs.)

### **ECON 102. Principles of Microeconomics**

A survey of basic microeconomic concepts with emphasis on the concepts of supply and demand, production and distribution. Special attention will be paid to ideas of competition, market structure, efficiency and equity using examples from current policy discussions. Offered annually in the spring semester. (3 sem. hrs.)

### **ECON 209. Introduction to Political Economy**

An analysis of economic theories focusing on the processes of production and accumulation within institutional and political contexts. Topics include the labor theory of value, monopoly capitalism and the social structure of accumulation. (3 sem. hrs.)

### **ECON 233. Economics of Health and Medical Care**

A critical examination of important health and medical care issues through economic analysis. Emphasis will be placed on the increasingly common questions and dilemmas of efficiency, access to care and fairness in the financing and delivery of medical services. Offered alternate years. (3 sem. hrs.)

### **ECON 255. The Political Economy of Globalization**

The world economy from the standpoint of producing and distributing a surplus. Topics include classical theories of imperialism, global finance and global and domestic economies in an era where economic growth is limited by peak oil and climate change. Prerequisite: ECON 101 or ECON 102 or INTL 151. Offered alternate years. (3 sem. hrs.)

**ECON 286. Money, Banking and Capital Markets**

A study of the functions of money, the operations of commercial and central banking, and the operations of money and capital markets with emphasis on corporate equities, government securities and municipal bonds. The roles of financial intermediaries and government will also be considered. Prerequisite: ECON 101. Offered alternate years. (3 sem. hrs.)

**ECON 290. Internship in Economics and Business**

Students are encouraged to discover for themselves the use of economic principles and techniques in various institutional settings, including research, institutes, government agencies, banks, corporations, etc. Prerequisite: ECON 101 or ECON 102, or permission of instructor. Graded: S/U. Offered as needed. (2-4 sem. hrs.)

**ECON 302. Managerial Economics**

An application of economic theory to real-world problems of management, focusing particularly on how supply and demand, marginal analysis, opportunity cost and maximization fit into a world of profit and loss statements, capital budgets and multiple goals. Prerequisite: ECON 102 and MATH 111, or exemption or higher-level course in calculus. Offered alternate fall semesters. (3 sem. hrs.)

**ECON 303. Intermediate Microeconomic Theory**

A study of optimal allocation of resources in a price system under a pure competitive market structure: demand analysis, production and cost relationships, general equilibrium and an introduction to welfare economics. Prerequisite: ECON 101, ECON 102, and MATH 111 or exemption or higher-level course in calculus. Offered annually in the fall semester. (3 sem. hrs.)

**ECON 306. Intermediate Macroeconomic Theory**

A study of alternative theories of the nation's income, employment and price level, in relation to private consumption, investment expenditures, public expenditure and taxation. Prerequisite: ECON 101 and ECON 102. Offered annually in the spring semester. (3 sem. hrs.)

**ECON 314. Econometrics**

A study of the derivation and application of statistical methods used in economic research. The focus of the course is on economic estimation and regression analysis, although other methods such as analysis of variance are examined. There will be extensive applications of the techniques developed in the course to economic problems. Prerequisite: ECON 101 and/or ECON 102, and MATH 111 or MATH 151 or MATH 251. Offered alternate years. (3 sem. hrs.)

**ECON 325. Ecological Economics**

This course models the economy as a subsystem of a larger ecosystem, and addresses questions such as optimal scale, investments in natural capital, sustainability and thermodynamic limits to growth. Sustainable development is treated within the historical context of uneven development. Prerequisite: ECON 102 or ENVR 101L. Offered alternate years. (3 sem. hrs.)

**ECON 326. Energy and the Economy**

This course focuses upon the history of energy's role in the transformation from preindustrial to contemporary society. The analytical framework includes theories of political economy, the energy return on investment and the internal and biophysical limits to economic growth. Prerequisite: ECON 101 or ECON 102 or ENVR 101. Offered alternate years. (3 sem. hrs.)

**ECON 330. The World Economy: Trade and Finance**

An analysis of how the world economy, including international economic interdependence, works. Theories and models will be studied concerning trade and financial issues such as the political economy of free trade versus protectionism, foreign direct investment and foreign exchange markets. Prerequisite: ECON 101 or ECON 102. Offered alternate years. (3 sem. hrs.)

**ECON 340. History of Economic Analysis**

The evolution of economic intellectual history from precapitalist doctrines until the 20th century. Course will emphasize the development of theories of value and price, production and distribution, with special emphasis given to the labor theory of values. Prerequisite: ECON 101 or ECON 102. Offered alternate years. (3 sem. hrs.)

**ECON 350. Economics of Developing Countries**

A survey of the various economic theories of structural change and growth in developing nations. Particular attention will be paid to the issues of measurement of human welfare and the global distribution of resources. Prerequisite: ECON 101 or ECON 102. Offered alternate years. (3 sem. hrs.)

**ECON 385. Topics in Contemporary Economic Problems**

In-depth study of a selected topic in economics. This course applies economic reasoning to a changing set of specific social and/or theoretical issues. Topics will be selected on the basis of student and faculty interest. Past topics have included An Economic History of the Great Depression. Prerequisite: ECON 101 or ECON 102. May be repeated for credit with different topics. Offered as needed. (2-4 sem. hrs.)

**ECON 390. Advanced Internship in Economics and Business**

In an institutional setting of their choice, students are provided with an opportunity to apply more advanced economic concepts and analysis in a practical context. Prerequisite: ECON 101 and ECON 102, and ECON 303 and ECON 306 or ECON 290. Graded: S/U. Offered as needed. (2-4 sem. hrs.)

**ECON 395. Tutorial in Economics**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation; meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**ECON 399. Independent Study in Economics and Business**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered as needed. (1-3 sem. hrs.)

**ECON 402. Senior Seminar in Economics and Management**

The seminar explores methods and content of orthodox economics, political economy and the various facets of management thought. Students will present articles from professional journals, prepare for comprehensive exams and develop and present an original piece of economic or managerial research. Prerequisite: ECON 101 and ECON 102, or BUS 201 and BUS 303. Offered annually in the spring semester. (4 sem. hrs.)

## EDUCATION

See also: educational studies minors and certification requirements.

**EDUC 105. Teaching in a Diverse Society**

In this course students seek answers to the question "What is an excellent teacher?" and examine what it takes to meet the needs of an increasingly diverse student population in today's schools. Offered every semester. (3 sem. hrs.)

**EDUC 190/290/390. Internship in Education**

These courses are individually arranged participation in an educational institution. May be repeated for credit. Graded: S/U. Offered as needed. (2-4 sem. hrs.)

**EDUC 215. Issues in Multicultural and English Language Learner Education**

This course explores foundational and recent research in multicultural and English language learner education (MC/ELL). Students read a variety of empirical, autobiographical, and practical-based texts as they develop their understanding of the complex, multi-layered issues related to MC/ELL education in today's classrooms. Prerequisite: EDUC 105 or permission of instructor. Offered annually. (3 sem. hrs.)

**EDUC 216. The Inclusive Classroom**

This course is a study of students with special needs within the context of schools. Topics include: low and high-incidence disabilities, the special education process, English language learners, collaborative relationships, co-teaching, and creating a positive classroom environment. Field experience required. Prerequisite: EDUC 105 or permission of instructor. Offered annually fall semester. (3 sem. hrs.)

**EDUC 219. Teaching for Diversity and Social Justice**

Students explore the concept of equity-oriented pedagogy in traditional and non-traditional educational settings; the power of infusing curriculum with issues of social justice at the national and international levels; and how teachers can facilitate positive social change, locally and globally. Offered occasionally. (3 sem. hrs.)

**EDUC 225. Technology in the Classroom**

This course is designed to provide students with the opportunity to interact with digital tools used in today's classrooms. The course focuses on integrating technology into the teaching process and using technological tools to communicate classroom information. Prerequisite: EDUC 105 and sophomore standing, or permission of instructor. Offered spring semester. (3 sem. hrs.)

**EDUC 226. Building Classroom Community**

This course will address the current research and practice related to increasing student motivation and developing positive, inclusive classroom communities. We will explore strategies for making your elementary or secondary classrooms a healthy, effective learning environment. Prerequisite: EDUC 105 and sophomore standing, or permission of instructor. Offered annually during the spring semester. (3 sem. hrs.)

**EDUC 275. Using Children's Literature in the Classroom**

In this course students will examine the history, genre, trends, and controversies in children's literature. Students will acquire the skills needed to critically read a variety of children's books and to select literature appropriate for diverse educational programs. Prerequisite: EDUC 105 or permission of instructor. Offered occasionally. (3 sem. hrs.)

**EDUC 285/385. Topics in Education**

Past topics have included: Looking Within: Personal Ethnography in the Classroom, Integrating Technology in the Classroom, and Action Research in a Local School. May be repeated for credit with different topics. Offered as needed. (2-4 sem. hrs.)

**EDUC 301. Primary Literacy and Diverse Learners**

This course will provide students with the instructional methods necessary to teach reading and writing in grades 1 and 2. Students will gain an understanding of developmentally appropriate instructional strategies and assessment techniques geared to meet the needs of diverse learners. Field experience outside of class time is required. Prerequisite: EDUC 105 and junior standing or permission of instructor. Offered annually spring semester. (3 sem. hrs.)

**EDUC 302. Literacy for Diverse Upper Elementary Classrooms**

This course will provide students with the instructional methods needed to create and implement an effective literacy program for diverse learners in grades 3-6. Students will gain an understanding of developmentally appropriate instruction strategies and assessment techniques. Field experience outside of class time is required. Prerequisite: EDUC 105 and EDUC 301, or permission of instructor. Co-requisite: EDUC 309. Offered annually during the fall semester. (3 sem. hrs.)

**EDUC 304. Inclusive Instruction and Assessment**

This course will focus on important skills that lead to being an effective practitioner in student-centered, inclusive classrooms. You will be studying relevant principles of learning and assessment while developing your skills at lesson, curriculum and assessment design. Prerequisites: EDUC 105 and Junior status, or POI. Offered annually fall semester. (3 sem. hrs.)

**EDUC 307. Teaching Students with Disabilities**

This course will explore instructional planning, assessment and intervention strategies for students with significant disabilities in the general and special education classroom. We will also explore how to support students' needs and development in context of home and community. Prerequisite: EDUC 304 and EDUC 216. Co-requisite: EDUC 308. Offered annually during the spring semester. (3 sem. hrs.)

**EDUC 308. Students with Disabilities Practicum**

This course must be taken concurrently with EDUC 307 (Teaching Students with Disabilities). Students will spend 40 hours supporting students with disabilities in local general and special education classrooms. Prerequisite: EDUC 216, EDUC 304, or permission of instructor. Co-requisite: EDUC 307. Offered annually during the spring semester. (1 sem. hr)

**EDUC 309. Elementary Methods Practicum**

Students will spend 40 hours supporting students in local general education classrooms. Prerequisite: EDUC 301 and EDUC 304, or permission of instructor. Co-requisite: EDUC 302 and EDUC 402. Offered annually during the fall semester. (1 sem. hr)

**EDUC 331. Reading and Writing in the Content Areas I**

This course will provide students with instructional methods for teaching reading and writing through content in grades 7-12. Field experience outside of class time is required. Prerequisite: EDUC 105 and junior standing or permission of instructor. Offered annually fall semester. (4 sem. hrs.)

**EDUC 332. Reading and Writing in the Content Areas II**

This course is designed to analyze the instruction and assessment of reading and writing in the content areas for grades 7-12. Field experience outside of class time is required. Prerequisite: EDUC 105 and EDUC 331, or permission of instructor. Offered annually spring semester. (3 sem. hrs.)

**EDUC 344. Adolescence Methods Practicum I**

This course must be taken concurrently with EDUC 332 (Reading and Writing in the Content Areas II). Students will spend 40 hours in local schools supporting teachers and students. Students will be placed with teachers in their field of certification: English, Spanish, biology, chemistry, physics, mathematics, or history. Graded: S/U. Prerequisite: EDUC 331. Co-requisite: EDUC 332. (1 sem. hr)

**EDUC 345. Adolescence Methods Practicum II**

This course must be taken concurrently with EDUC 406 (Instructional Strategies for Secondary Education). Students will spend 40 hours in local schools supporting teachers and students. Students will be placed with teachers in their field of certification: English, Spanish, biology, chemistry, physics, mathematics, or history. Graded: S/U. Prerequisite: EDUC 332. Co-requisite: EDUC 406. (1 sem. hr)

**EDUC 350. Elementary Methods: Teaching Social Studies and Science**

This course will prepare students to integrate literacy, social studies, and science instruction in the elementary school classroom. Students will focus on using differentiated literacy strategies to engage elementary school students with high-quality, authentic social studies and science content and concepts. Prerequisite: EDUC 105. Co-requisite: EDUC 304. (4 sem. hrs)

**EDUC 395. Tutorial in Education**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**EDUC 399. Independent Study in Education**

Students who wish to pursue research and/or fieldwork in an educational setting may submit plans for doing so to the appropriate faculty member. Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1-3 sem. hrs.)

**EDUC 402. Elementary Methods: Teaching Mathematics**

This course explores instructional methods and assessment strategies within mathematics, grades 1-6. Specific focus is on developing mathematical understanding through differentiation and the formative assessment practices of observing, documenting and reflecting on students' responses. Prerequisite: EDUC 304. Co-requisite: EDUC 309. (3 sem. hrs.)

**EDUC 406. Instructional Strategies for Secondary Education**

Objectives, methods and materials, content, evaluation, and organization of the several subject matter areas of the secondary school. Students will participate with master teachers to create and implement curricula in their subject matter. Prerequisite: EDUC 105 and junior standing or permission of instructor. Offered annually fall semester. (3 sem. hrs.)

**EDUC 408. Student Teaching Reflective Seminar**

An accompaniment to student teaching, this seminar provides a forum for reflection and analysis of teaching, and an opportunity to discuss essential aspects of the profession. Faculty provide support for the edTPA process and the development of a culminating portfolio. Taken concurrently with EDUC 410. Prerequisite: EDUC 402 or EDUC 406. Offered every semester. (3 sem. hrs.)

**EDUC 410. Student Teaching: Preparation and Analysis**

Full-time student teaching in selected elementary and secondary settings; supervision by a public/private school teacher and a representative of the College faculty. (Students are expected to provide their own transportation to student teaching sites.) Prerequisite: EDUC 402 or EDUC 406. Co-requisite: EDUC 408. Offered every semester. (12 sem. hrs.)

**ENGLISH****ENGL 104. Introduction to Literature**

This course is for students who love to read and write about plays, novels, and poems. In addition to learning rhetorical terms for analyzing literature, we will also explore theories of reading and writing. Required for students majoring in English. (3 sem. hrs.)

**ENGL 204. International Prose**

An exploration of international prose (fiction and nonfiction) with particular attention paid to marginalized voices and intersectionality. (3 sem. hrs.)

**ENGL 206. British Literature 1100-1800**

A survey of works in British literature from the Middle Ages through 1800, with a focus on the historical development of literary forms, genres and subjects. Texts will range from Arthurian romance, to Elizabethan drama, to pre-Romantic poetry of sensibility. (3 sem. hrs.)

**ENGL 215. Survey of American Literature**

This course is designed to introduce students to a variety of American literary texts between 1776 and the present. Reading novels, poems, plays and essays will orient students to the historical and cultural terrain of American writing. ENGL 104 is recommended. (3 sem. hrs.)

**ENGL 218. International Drama**

An exploration of important plays and dramatic traditions from around the globe in English translation. Special attention paid to dramatic lineages that transcend national boundaries, such as international existentialism, surrealism and the avant grade, as well as to how dramatic traditions, such as the Japanese Noh, evolve as they spread internationally. (3 sem. hrs.)

**ENGL 219. International Poetry**

An exploration of important poems and poetic traditions from around the globe in English translation. Special attention will be paid to poetic lineages that transcend national boundaries, such as international surrealism, and how poetic traditions from one culture, like the haiku, evolve as they spread internationally. (3 sem. hrs.)

**ENGL 225. Shakespeare**

Approximately eight plays, representative of the range of Shakespeare's dramatic career. (3 sem. hrs.)

**ENGL 245. The Maker's Craft: Form in Poetry**

An exploration of how form contributes to meaning through study of traditional poems, including sonnets, villanelles and dramatic monologues. Students will analyze as well as write poems in various forms. Visiting writers and their works will be featured in classes. (3 sem. hrs.)

**ENGL 250. British Literature 1800 to the Present**

This course introduces students to the major literary texts produced by British writers between 1800 and the present. Texts to be drawn from the Romantic, Victorian, Edwardian, Modern and Post-Modern periods. Non-majors welcome. This course is designed to follow (and complement) ENGL 206 British Literature 1100-1800. (3 sem. hrs.)

**ENGL 285/385. Topics in English**

In-depth study of a selected topic in English. Past topics have included: Erotic and Pornographic Literature, Medieval Romance: The Otherworld, Writers Reading Writers and Poetry and Science. May be repeated for credit with different topics. (3-4 sem. hrs.)

**ENGL 290. Internship in English**

Individually arranged work experience in publishing, journalism, library work and other fields or areas related to bibliography, literature or skills in writing. Prerequisite: one course in English and permission of instructor. Graded: S/U. Offered every semester. (2-4 sem. hrs.) Prerequisite to 300-level courses: any 200-level literature course (English or non-English language) or exemption.

**ENGL 301. Reading Translations**

Study of the theory and practice of literary translation pursuing the question, "How should we read translations?" Readings include canonical translation theory and English translations of international poetry. Prerequisite: ENGL 104. (3 semester hours)

**ENGL 302. The American Novel**

Study of the 19th and 20th century novel in a thematic or "issue-oriented" context. Past topics have included: Greed! May be repeated for credit with different topics. Prerequisite: ENGL 104. (3 sem. hrs.)

**ENGL 304. American Drama**

This course provides an introduction to major developments in American theatre, from its inception in the early 1800s to the present. Special emphasis is given to the perspectives of Asian American, African American, Hispanic American, Native American and LGBT-authored play scripts. Prerequisite: ENGL 104. (3 sem. hrs.)

**ENGL 349. American Poetry**

Advanced study of the writing of from four to six American poets who are significant figures themselves and also represent the literary periods in which they wrote. Past topics have included Major American Poets of the 20th Century. May be repeated for credit with different topics. Prerequisite: ENGL 104. (3 sem. hrs.)

**ENGL 362. The British Novel**

Study of the development of the British novel from the 18th century to the 21st century. Prerequisite: ENGL 104. (3 sem. hrs.)

**ENGL 366. British Poetry**

Advanced study of the writing of four to six British poets who are significant figures themselves and also represent the literary periods in which they wrote. Past topics have included: British Victorian Poets. May be repeated for credit with different topics. Prerequisite: ENGL 104. (3 sem. hrs.)

**ENGL 367. British Drama**

Representative tragedies and comedies from Medieval, Tudor-Stuart, Restoration, and 18th-century dramatists. May be repeated for credit with different topics. Past topics have included: The Erotics of Home (1550-1800). (3 sem. hrs.)

**ENGL 380. Writing Literary Criticism: Methods and Theory**

A study of literary criticism as a form. Engaging in a series of paper exercises, annotated bibliographies, abstracts and oral presentations, students start to work on a topic of their choice within the first three weeks of the course, prompted by a text of their choice. This course also explores historical and philosophical questions raised (primarily) during the last 50 years about the acts of reading and writing. Theoretical approaches to literature—"literary theory"—will be drawn from the following critical movements: formalism; structuralism and linguistics; psychoanalysis; Marxism; deconstruction; feminism; queer theory; "new" historicism; post-colonialism; and ethnic and cultural studies. To ground our theory, we will read the student's chosen text through different critical lenses. Especially recommended for students who plan to pursue graduate study in English-related professions. Prerequisite: ENGL 104. (3 sem. hrs.)

**ENGL 390. Advanced Internship in English**

Individually arranged work experience in publishing, journalism, library work and other fields or areas related to bibliography, literature or skills in writing. Prerequisite: three courses in English, ENGL 290, and permission of instructor. Graded: S/U. Offered every semester. (2-4 sem. hrs.)

**ENGL 395. Tutorial in English**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**ENGL 399. Independent Study in English**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1-3 sem. hrs.)

**ENGL 401. Senior Thesis in English**

Completion of an extended literary essay by students in the literature concentration, or an extended creative project with a short critical essay by students in the creative writing concentration. Students will work with a faculty advisor and participate in workshops. Open only to students in the English major. (4 sem. hrs.)

**ENGLISH AS A SECOND LANGUAGE****ESL 255. English as a Second Language I**

Open to international students and taken concurrently with ESL 256, this course focuses on campus life and American culture. Classes include oral work to review specific grammar points and vocabulary, readings on American culture and analysis of daily written homework. Prerequisite: interview and permission of instructor. Offered annually in the fall semester. (3 sem. hrs.)

**ESL 256. English as a Second Language II**

Open to international students and taken concurrently with ESL 255, this course is designed to increase the students' conversation level beyond rudimentary vocabulary and speech patterns. Class work and exams are mainly oral, focusing on new vocabulary and lengthy explanations. Prerequisite: interview and permission of instructor. Offered annually in the fall semester. (3 sem. hrs.)

**ESL 257. English as a Second Language III**

Open to international students, ESL III focuses on the types of writing required in academia: expository, persuasive, narrative and descriptive. Students work on writing mechanics, development of good topic sentences and thesis statements, organization, etc., advancing from paragraphs to essays. Prerequisite: permission of instructor. Offered annually in the spring semester. (3 sem. hrs.)

**ENVIRONMENTAL SCIENCE****ENVR 101L. Introduction to Environmental Science**

An introduction to the field of environmental science. Includes an analysis of natural resources and the environmental impact of their extraction and use by humans. Environmental quality, pollution and toxicology will be among the topics covered. (4 sem. hrs.)

**ENVR 102L. Conservation of Biodiversity**

An introduction to the field of conservation science. Local and global aspects of species, ecosystem and landscape conservation will be discussed. (4 sem. hrs.)

**ENVR 131L. Physical Geology**

The origin, composition, structure, and geological history of the earth. This will include the study of geological processes affecting the earth's crust and interior, and examination of theories concerning geological phenomena such as origin of mountains and plate tectonics. Meets natural laboratory science distribution requirement. Offered alternate spring semesters. (4 sem. hrs.)

**ENVR 196. Tutorial in Geographic Information Systems**

A self-guided tutorial in geographic information systems (GIS). The focus is on learning to use ArcGIS software for analysis of geospatial data, map creation and editing. Graded: S/U. (1 sem. hr.)

**ENVR 204. The Climate System**

From paleoclimate to the current climate crisis, this course overviews climate science, examining both regional and global scales. The interdependent elements of the climate system are examined, and the manner in which humans have perturbed the climate system is discussed. Techniques used to generate the global climate record are reviewed. Prerequisite: one college-level course in any natural science, or permission of instructor. (3 sem. hrs.)

**ENVR 285/285L/385/385L. Topics in Environmental Science**

In-depth study of a selected topic in environmental science. May be repeated for credit with different topics. Past topics have included Agriculture and the Environment and Pollution Science. Prerequisites will be dependent on the specific topic. Offered as needed. (3–4 sem. hrs.)

**ENVR 290/390. Internship in Environmental Science**

Work relating to environmental policy or science in an academic, governmental, industrial or public interest group setting. Prerequisite for ENVR 290: ENVR 101L or permission of instructor. Prerequisite for ENVR 390: ENVR 290 or permission of instructor. Graded: S/U. Offered every semester. (2–4 sem. hrs.)

**ENVR 303. Environmental Impact Assessment**

Examination of the process that determines potential environmental impact of a proposed project. Aims, elements, strengths and limitations of such assessments will be discussed as they apply to various factors. Discussion of local and international applications of environmental impact assessments. Offered alternate years. (3 sem. hrs.)

**ENVR 340. Sustainable Agriculture**

This course will examine the environmental consequences of agriculture as it is practiced today in tropical and temperate regions, and discuss the agroecological basis for tools and techniques designed to address these problems. Prerequisite: ENVR 101L or BIOL 119L or permission of instructor. Offered alternate fall semesters. (3 sem. hrs.)

**ENVR 399. Independent Study in Environmental Science**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1–3 sem. hrs.)

**ENVR 401. Advanced Research in Environmental Science**

Independent research on self-designed project overseen by a faculty member in environmental science. Course provides experience in designing and conducting research and communicating findings. May be repeated for credit. Offered every semester. (1 sem. hr.)

**ENVR 403. Senior Thesis in Environmental Science**

Identification of an original topic and development of a senior research paper or alternative project in environmental science. Preparation and presentation of a paper or project based on independent research and analysis. Work to be conducted in conjunction with a member of the environmental science faculty. Prerequisite: senior standing in ENVR and permission of instructor. Offered annually in the spring semester. (4 sem. hrs.)

## FILM AND MEDIA STUDIES

**FMS 101. Introduction to Cinema Studies**

This course introduces students to the critical, aesthetic and ideological study of cinema. Throughout the semester, we will learn to perform thoughtful analysis of the film form as we explore historical periods, aesthetic movements, genres and technologies and techniques that comprise the history of the moving image on screen. (3 sem. hrs.)

**FMS 102. Introduction to Media Studies**

This course investigates the function of media systems and their impact on contemporary cultural, social and political thinking. Students will gain proficiency in media literacy through detailed analysis of television, print media, emerging media (online and social media), news and advertising. This course establishes a strong foundation in media studies by exploring the field's interdisciplinary connections, drawing on journalism, visual arts, theory, aesthetics, economics and theatre. (3 sem. hrs.)

**FMS 105/205. Practicum for College Publications**

This workshop covers the practical aspects of student publications: recruiting and encouraging staff, accepting and giving criticism, managing a budget, selecting material, and basic layout and editing. Offers weekly problem-solving exercises in common issues student journalists face. (1–2 sem. hrs.)

**FMS 220. Post-Colonial African Cinema**

A study of contemporary Africa through images and representations shaped by African filmmakers. Particular attention will be given to the relationship between cities and rural areas, foreign and national languages, African vs. Western values. Using themes such as immigration, quest for identity, struggle between modernity and tradition, an examination of challenges facing Africa in the post-colonial era. Offered alternate years. (3 sem. hrs.)

**FMS 241. Reading Popular Film**

An historical and cultural analysis of cinema, emphasizing its origins in popular culture and examining its unique position as the nexus of art and entertainment. Special focus on issues of race, class, and gender as well as celebrity and audience. Prerequisite: sophomore standing or permission of instructor. Offered alternate years. (3 sem. hrs.)

**FMS 270. Writing for the Mass Media**

Workshop in writing for print and online newspapers and magazines. Topics include news writing, editorial and feature writing and news and editorial blogging. Students will be encouraged to submit their work to on-campus and online media. Prerequisite: ANTH 231. Offered alternate years. (3 sem. hrs.)

**FMS 281. Film and Literature**

Film art reflects (on), integrates and develops the concerns and strategies of modern literary narratives and movements. This course explores the work of key filmmakers of world cinema in conjunction with the discussion of relevant modernist and postmodernist literary texts. Offered alternate years. (3 sem. hrs.)

**FMS 285/385. Topics in Film and Media Studies**

In-depth study of selected topics in film and media studies. May be repeated for credit with different topics. Offered as needed. (3 sem. hrs.)

**FMS 290/390. Internship in Film and Media Studies**

Individually arranged participation in the work of an institution devoted to film and media studies. May be repeated for credit. Graded: S/U. Offered every semester. (2–4 sem. hrs.)

**FMS 315. Only a Game? Sports in Film and Literature**

Examines the fiction and film of sports as an offshoot of a \$422 trillion industry. Discussion will focus on ways in which fiction and film help create and maintain our national ideologies of competition, race, class and gender. Prerequisite: ANTH 231. (3 sem. hrs.)

**FMS 320. Envisioning “The Other” in Film**

Visual stereotypes litter the cultural landscape and help determine how we envision and revision “The Other.” We will examine American films to critique the process of creating and promulgating false images which, somehow, become ‘the truth.’ Prerequisite: FMS 101 or any course at the 200 level. (3 sem. hrs.)

**FMS 401. Senior Project in Film and Media Studies**

Completion of an extended project focusing on any of the following or the relationship among them: film, film and visual theory, or film history; writing for the mass media, including advertising, convergent journalism, or web journalism. Writing projects may be analytical or original productions. Topics must be approved by the department and students will work with a faculty advisor. Open only to students in the film and media studies major. Offered annually spring semester. (4 sem. hrs.)

**FIRST NATIONS AND INDIGENOUS STUDIES****FNIS 212. Home Lands**

This seminar will focus on making a home (on one’s own land or stolen lands?), and the multiple relationships that exist between what sexual minorities call “home” as First Nations people, people in Diaspora, and/or immigrants. (3 sem. hrs.)

**FNIS 215. The Haudenosaunee and New York State**

This course covers the relationship between the Haudenosaunee (Iroquois) Confederacy and Euro-Americans from earliest contact to the 21st century, with particular attention paid to circa-1970 to the present. (3 sem. hrs.)

**FNIS 285/385. Topics in First Nations and Indigenous Studies**

Selected topics of interest. May be repeated for credit with different topics. Past topics have included Contemporary Issues of Native America, Federal Policy and Indian Law, The Haudenosaunee and New York State, and Indigenous Thought and Western Science. Offered as needed. (3 sem. hrs.)

**FOOD SYSTEMS****FOOD 201. Introduction to Gardening**

This course provides students with both classroom and hands-on knowledge about gardening. Topics will vary according to weather and availability of faculty. The spring class will focus on topics suitable for spring weather. These might include seed starting, raised bed construction, plant biology, canning and fermenting foods, visits to local organic farms or farmer’s markets, garden planning, soil composition and preparation for spring planting, composting and water basics, among others. (1 sem. hr.)

**FOOD 285/385. Topics in Sustainable Food Systems**

Selected topics of interest. May be repeated for credit with different topics. Offered as needed. (3 sem. hrs.)

**FOOD 290. Internship in Sustainable Food**

Students will gain experience working in a setting that has some connection to food and reflect on issues of sustainability: organic farms, farmer’s markets, food pantries, farm sanctuaries, etc. Cost and arrangements are the student’s responsibility. Offered every semester. Grade: S/U. (2–4 sem. hrs.)

**FRENCH****FREN 101/102. Introductory French I and II**

This course introduces students with little or no French background to France and Francophone culture. Using a communicative approach based on oral exercises in class and written homework, students work on the four language skills: comprehension, speaking, reading and writing. Prerequisite for FREN 101: no more than two years of French in high school; prerequisite for FREN 102: FREN 101 or permission of instructor. Offered annually: FREN 101 in fall, FREN 102 in spring. (4 sem. hrs. each)

**FREN 123/124. Intermediate French I and II**

Designed for students with some background in French, these courses explore the cultural contexts of the French and Francophone world through oral practice and written homework. Students develop proficiency through active participation. Prerequisite: FREN 102 or three years of high school French; those with two years of high school French may take a placement exam to determine enrollment at a higher level. Offered annually: FREN 123 in fall, FREN 124 in spring. (3 sem. hrs. each)

## GERMAN

### GRMN 101/102. Elementary German I and II

Development of all four communication skills in German: speaking, understanding, reading, and writing. Essentials of grammar, basic vocabulary, practice speaking and writing German. Information on current social and cultural issues of German-speaking countries. Prerequisite for GRMN 101: no more than two years of German in high school; students with two years of German may take a placement exam to determine enrollment at a higher level. Prerequisite for GRMN 102: GRMN 101 or permission of instructor. Offered annually: GRMN 101 in fall, GRMN 102 in spring. (4 sem. hrs. each)

### GRMN 123/124. Intermediate German I and II

Designed to further develop a student's ability to speak, read and write German. Emphasis on communication skills. Grammar review and vocabulary building. Readings of short stories and texts on social and cultural aspects of German-speaking countries. Prerequisite for GRMN 123: GRMN 102 or Level III or IV of high school German, or permission of instructor. Prerequisite for GRMN 124: GRMN 123 or permission of instructor. Offered annually: GRMN 123 in fall, GRMN 124 in spring. (3 sem. hrs. each)

### GRMN 199/299/399. Independent Study in German

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered as needed. (1–3 sem. hrs.)

## HEALTH SCIENCES

### HS 100. Introduction to Health Professions

Exploration of skills and knowledge needed for success in the health professions. Conducted within the context of discussion of health care systems and health professions. Prerequisite: first-year or sophomore standing, or permission of instructor. Offered annually every fall semester. (3 sem. hrs.)

### HS 109. Community First Aid and Safety

American Red Cross certification, including Community CPR and Standard First Aid. Graded: S/U. Additional fee. Offered every semester. (1 sem. hr.)

### HS 195. Tutorial in Health Sciences

A study of selected topics. (1 sem. hr.)

### HS 290/390. Internship in Health Sciences

These introductory internships provide opportunities for well-qualified students considering careers in the health sciences. Interns will work with health professionals. Students will give a public presentation of their internship upon return to campus. Prerequisite: two courses in the health sciences major. Grade: S/U. Offered every semester. (2–4 sem. hrs.)

### HS 401. Senior Seminar in Health Sciences

This capstone course covers current topics in the health sciences. Students will write and present original research in the area for discussion amongst the class. Post-graduate career opportunities and how to pursue them will also be considered. Prerequisite: senior standing. Offered annually every fall semester. (2 sem. hrs.)

## HOLISTIC HEALTH STUDIES

### HHS 100. Introduction to Holistic Health Studies

Overview of holistic health studies as a "learning community" dedicated to personal and planetary well-being and growth. Introduces range of holistic health modalities and certified techniques, such as Bartenieff Fundamentals and the Alexander Technique. Professionally supervised, hands-on work with fellow students. Offered every fall semester. (3 sem. hrs.)

### HHS 290/390. Internship in Holistic Health Studies

Individually arranged participation in the work of an institution devoted to holistic health. May be repeated for credit. Graded: S/U. Offered every semester. (2–4 sem. hrs.)

## HISTORY

### **HIST 101. Introduction to World Civilizations, Antiquity to 1650**

From the ancient Middle East to the age of European overseas exploration, this survey gives particular emphasis to cultural interaction among world civilizations. Special attention is given to the role of geography, technology and ideas as forces of change and continuity. Offered every other year. (3 sem. hrs.)

### **HIST 103. Introduction to World Civilizations, 1650–Present**

From the Portuguese and Spanish voyages of exploration and conquest to space exploration, this survey gives particular emphasis to interaction among world civilizations. Special attention is given to European imperial expansion, technology and main currents of thought. Offered every other year. (3 sem. hrs.)

### **HIST 201. History of Asia to 1650**

This chronological and thematic survey, which highlights major events and figures from South, Central, East, and Southeast Asia from the earliest times to 1650—or what is sometimes referred to as the “ancient,” “medieval,” and “early modern” periods—traces commonality, contact and continuity across this mega-continent. Asia is the home of critical theories on governance such as Confucianism and legalism; major world religions such as Zoroastrianism, Hinduism and Buddhism; cultural creations such as Kabuki theatre, Beijing opera, and countless influential works of fiction; and technological and scientific innovations such as the abacus, gun powder and the compass. (3 sem. hrs.)

### **HIST 202. Women and Gender in Asia, Earliest Times–Present**

Warriors, dowagers, grannies, geishas, sultanas, widows, assassins, courtesans, poets and scholars. In Asia, just like elsewhere, women were many things, but on this mega-continent, the diversity of experience was amplified. Aceh sultanas sent emissaries to the Ottoman Empire, daughters assassinated Chinese warlords, writers composed genre-defying novels, and mothers educated their children in Confucian classics. This thematic course explores the conditions and experiences of women (and men) in Asian history from earliest times to the present. We will cover such topics as widow-immolation, Orientalism, anarcho-feminism, foot binding, female intimacy, law, abortion and much more. (3 sem. hrs.)

### **HIST 210. Women and Gender in Europe, 1550–Present**

This course surveys both the experiences of women (and men) in European history and various social constructions of gender over time. Using primary documents, historical scholarship, novels, films and memoirs, we examine the legacy of ancient attitudes towards gender and sexuality; the evolving definitions of feminine and masculine; structures of everyday life; misogyny and witchcraft; sexuality and honor; marriage and family; working class and middle class distinctions; feminism and social protest; the impact of war and revolution on gender roles; women’s quest for education; individual and collective struggles to transform society; literature and the arts; and LGBTQ issues of the past and present. Offered alternate years. (3 sem. hrs.)

### **HIST 212. Introduction to the History of Science**

A survey of developments in scientific thought, from antiquity to the early 20th century. Offered alternate years. (3 sem. hrs.)

### **HIST 215. The Growth of Industrial Society, 1750–Present**

Examines social, cultural and economic consequences of modernization, from the Industrial Revolution in England to the contemporary “post-industrial” world. Topics include changing nature of work, new roles for women, workers’ responses to change, and current issues of migration, “guest workers” and a global economy. Offered alternate years. (3 sem. hrs.)

### **HIST 228. The Making of Modernity, 1815–1914**

Focus on European thought, society, events and social movements that dominated the tumultuous 19th Century and helped create and define what we think of as modernity today. Topics include reactions to the French Revolution and industrial revolution; the development of modern political ideologies; the rise of the bourgeoisie and working classes; social protest, reform and revolution; urbanization and urban life; nationalism; social Darwinism and global imperialism; changing attitudes towards women, gender and sexuality; the fascination with the irrational; new notions of leisure and consumption; and the creative thinkers, writers and innovative artists who challenged the status quo. Offered annually. (3 sem. hrs.)

### **HIST 229. 20th-Century Europe and the World**

The social, cultural, economic and political history of Europe, 1900 to the present. Using primary documents, recent historical scholarship, memoirs, documentaries and feature films, we examine the causes and consequences of World War I and II; the Russian Revolution; the Great Depression; the rise of Nazism, Fascism and anti-Semitism; the Holocaust; origins of the Cold War; imperialism and decolonization; the social and cultural revolutions of the post-WWII period; Eastern European communism; the fall of communism and

its aftermath; shifting notions of gender over the century; and terrorism and challenges to tolerance in the multicultural Europe of the late 20th century. Offered every other year. (3 sem. hrs.)

### **HIST 241. Interpreting U.S. History I**

An analysis of primary documents and secondary sources to arrive at meaningful interpretations of the nation's past. Topics include colonial development, slavery and racism, Revolution, the expansion of a market economy, changing gender roles, religion and social reform, immigration, westward expansion and sectional crisis. Offered annually every fall semester. (3 sem. hrs.)

### **HIST 242. Interpreting U.S. History II**

An analysis of primary documents and secondary sources to arrive at meaningful interpretations of the nation's past. Topics include Reconstruction, industrialization and urbanization, social and political reform, race and ethnicity, changing gender roles, the changing role of government in American life and the emergence of the United States as a global power. Offered annually every spring semester. (3 sem. hrs.)

### **HIST 245. Civil War and Reconstruction**

The Civil War remains the central event in U.S. history. Topics include the origins of the conflict, the impact of "total war," the war on the home front, and the promises and failures of Reconstruction. Offered every other year. (3 sem. hrs.)

### **HIST 285/385. Topics in History**

In-depth study of a selected topic in history. Past topics have included: Japanese Visual Culture; History of Japan; Introduction to Modern China; History of the Samurai; Islam in Central Asia; Geisha; Culture and Everyday Life in Ancient China; and Cinema and City in East Asia. May be repeated for credit with different topics. Offered as needed. (2–4 sem. hrs.)

### **HIST 290. Internship in History**

Individually arranged participation in work of institutions devoted to historical work and practice. Prerequisite: one course in history and permission of instructor. Graded: S/U. Offered as needed. (2–4 sem. hrs.)

### **HIST 310. Colonial and Revolutionary America**

A critical examination of the American experience from early settlement to the Revolutionary era. Topics include the clash of European, American and African cultures, the evolution of colonial societies, economic development, war and diplomacy, the origins of the Revolution, the War for Independence and the founding of the Republic. Prerequisite: sophomore standing or above. (3 sem. hrs.)

### **HIST 325. The African-American Experience**

A critical historical examination of the African-American experience from enslavement to the modern era. Students will explore the emergence of slavery and race in early America, the evolution of African-American culture, slave life, black abolitionism, emancipation, Reconstruction, migration and urbanization, the freedom struggle during the age of Jim Crow, and the modern civil rights movement. Prerequisite: sophomore standing or above. Offered alternate years. (3 sem. hrs.)

### **HIST 327. The Gilded Age and Progressive Era**

A critical examination of the American experience from Reconstruction through World War I. Students will explore industrialization and the changing world of work, popular culture, the rise of the middle class, gender and the "New Woman," race and immigration, populism and progressive reform, imperial expansion, and the American experience in the "Great War." Prerequisite: sophomore standing or above. (3 sem. hrs.)

### **HIST 328. The Early American Republic**

A critical examination of the American experience from the founding of the Republic through the War with Mexico. Students will explore the emergence of popular politics and the party system, the capitalist market revolution, religion and the Second Great Awakening, intellectual movements, utopian communities, social reform, slavery and abolitionism, women's rights and territorial expansion during the age of "Manifest Destiny." Prerequisite: sophomore standing or above. (3 sem. hrs.)

### **HIST 330. The Enlightenment and the French Revolution**

Examines European thought and society from 1685 to 1815, with an emphasis on France. Topics include the legacy of Enlightenment ideas, scientific revolution, social conditions of "the people," the French Revolution and its debates, the Napoleonic era and early Romanticism. Prerequisite: sophomore standing or above. Offered alternate years. (3 sem. hrs.)

**HIST 335. Popular Culture in Early Modern Europe, 1400–1800**

This course examines attitudes, beliefs and practices of common people, especially peasants and workers. Topics include daily life, religion and magic, witchcraft, folklore, attitudes toward women and sexuality, the impact of printing, popular rebellions, and relations between “the people” and the elite. Prerequisite: sophomore standing or above. Offered alternate years. (3 sem. hrs.)

**HIST 357. Modern America**

A critical examination of the American experience from the end of World War I to the present. Topics include industrialization and economic change, the emergence of the modern bureaucratic state, social reform, civil rights, popular culture, war and America’s place in the world. Prerequisite: sophomore standing or above. (3 sem. hrs.)

**HIST 360. History of American Feminism**

The cultural and philosophical context out of which the feminist movement arose in America. Comparison of the 19th and 20th century feminist movements in America, analyzing the reasons for the failure of the former and the rise of the latter. Prerequisite: sophomore standing or above. Offered annually. (3 sem. hrs.)

**HIST 361. Voices of African-American Women**

Recovering the history of black women from slavery in the 19th century through the civil rights movement of the 1960s and current feminist activism. Readings will emphasize slave narratives, memoirs, biographies and writings by black women. Prerequisite: sophomore standing or above. (3 sem. hrs.)

**HIST 372. Colonial Encounters**

The cultural and social consequences of European colonialism from the Age of Exploration to the present—incorporating views of both colonizers and colonized. Issues include racism and slavery, women and sexuality, technology and progress, identity and difference, travel, disease and work. Prerequisite: sophomore standing or above. Offered alternate years. (3 sem. hrs.)

**HIST 375. Writing History: Theory and Practice**

Explores various ways the past can be approached, analyzed, organized, and written. We ask: how does historical memory function? How should societies remember the past? And who gets to tell those stories? By focusing on specific historical moments, we will consider issues such as perspective, interpretation, narration and the problematic status of facts, evidence and periodization. Students also pursue research topics of their own choosing. Required of history students; also relevant for those pursuing creative writing, museum studies, education and anyone who wants to explore issues of objectivity and subjectivity, and the ways historical knowledge is constructed, organized and displayed. Prerequisite: sophomore standing or above. Offered annually fall semester. (3 sem. hrs.)

**HIST 390. Advanced Internship in History**

Individually arranged participation in work of institutions devoted to historical work and practice. Students will develop at a more advanced level the skills and techniques demanded from a previous history internship. Prerequisite: HIST 290 and permission of instructor. Graded: S/U. Offered as needed. (2–3 sem. hrs.)

**HIST 395. Tutorial in History**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**HIST 399. Independent Study in History**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1–3 sem. hrs.)

**HIST 401. Senior Essay in History**

Preparation of an essay based on individual research. Prerequisite: senior history major. Offered annually in the fall semester. (3 sem. hrs.)

**HIST 402. Senior Seminar in History**

A collaborative seminar for students writing their senior essays. Seniors will meet regularly to discuss research methods and problems, participate in peer editing of drafts and give presentations of their work. Prerequisite: senior history major. Offered annually in the fall semester. (1 sem. hr.)

## HUMANITIES

### **HUM 230. Decolonization and Post-Colonial Worlds**

Using a variety of sources such as travel accounts, novels and films, students will place themselves in past colonial worlds and witness the processes and dynamics of decolonization as they occurred in various places around the globe. (3 sem. hrs.)

### **HUM 285/385. Topics in Humanities**

In-depth study of a selected topic in languages, literatures and cultures. May be repeated for credit with different topics. Past topics have included Berlin and Barcelona: Sister Cities; African Post-Colonial Literature; and Writers of the Caribbean. (2–4 sem. hrs.)

### **HUM 305. Post-Colonial African Literature**

This course will discuss how colonial heritage plays out in the works of major post-colonial African writers. African historical and cultural issues will be presented as a background for the study of literary works by representative post-independence major authors. We will approach these texts through close readings while focusing on the cultural context and theoretical questions of post-colonial discourse. Fictional texts will be studied both as a product of society and as a picture of a specific universe considered in a historical, political and sociological context. Offered alternate years. (3 sem. hrs.)

### **HUM 360. Latin American Literature, Revolution and History**

A cross-cultural and multidisciplinary approach to the study of the forces affecting sociopolitical and aesthetic changes in 19th-century European and Latin American countries. The concepts of independence, revolution and class are studied in the works of Martí, Fuentes, Castellanos, García Márquez, Allende and Valenzuela. Prerequisite: permission of instructor. Offered alternate years. (3 sem. hrs.)

### **HUM 378. Women and Literature in Latin America**

Using feminist perspectives, this course examines the multiple factors influencing the representation of women in Latin American literature. Authors include Bombal, Mistral Allende, Ferré, de Burgos and Lispector. Topics include political realism and literary surrealism, language and feminist writing. Prerequisite: permission of instructor. Offered occasionally. (3 sem. hrs.)

### **HUM 386. Hispanic-U.S. Experience in Literature and the Arts**

Examines the rich, diverse response of Spanish-speaking peoples in the U.S. to issues of language, gender, identity and acculturation, through works of literature, the media and the arts. Includes textbooks, plays and more. Offered occasionally. (3 sem. hrs.)

## INTERDISCIPLINARY STUDIES

### **ID 123. Oral History: Tell Me Your Story**

Students will engage in the pursuit of knowledge by learning how to conduct an oral history interview. The experience with the primary sources will emphasize the importance of creating and sharing meaningful lives from any perspective. (3 sem. hrs.)

### **ID 290/390. Interdisciplinary Internship**

Individually-arranged internships in a community or workplace in which students apply and practice the ideals of the liberal arts beyond a single academic discipline. Required reflective assessment activities vary by experience and sponsor. Offered every semester, plus January and summer. (2–4 sem. hrs.)

## INTERNATIONAL STUDIES

### **INTL 151. Introduction to International Studies**

Introduction to concepts and tools for the analysis of international and global issues. Course develops understanding of sociocultural, political and economic differences and similarities. Topics include world areas and ecosystems, social-cultural differences, cultural identity, values and international/intercultural relations. Offered annually in the fall semester. (3 sem. hrs.)

### **INTL 160. Introduction to Africana Studies**

The course will focus on the debates on black studies and the perception of Africa among black people in the Diaspora. Offered alternate years. (3 sem. hrs.)

### **INTL 350. Comparative Environmental Policy Analysis**

Comparative analysis of contemporary governmental environmental policies, using quantitative and

qualitative data. Within cost-benefit analysis typologies, the course deals with implication of such policies within the framework of conservative, protectionist, and progressive political arguments. Case studies from industrialized and less industrialized countries. Prerequisite: INTL 151, POLS 155, or ECON 209. Offered alternate years. (3 sem. hrs.)

### **INTL 385. Topics in International Studies**

In-depth study of selected topics in international studies. Prerequisite: INTL 151 or POLS 155 or permission of instructor. May be repeated for credit with different topics. Past topics have included: Violence and Refugee Problems; China: The Global Political Economy; and International Relations. Planned future topics include: Environment as a Social and Political Movement pre/post Cold War. Offered as needed. (2–4 sem. hrs.)

### **INTL 399. Independent Study in International Studies**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered as needed. (1–3 sem. hrs.)

### **INTL 402. Senior Seminar in International Studies**

Research and analysis of an international issue with a focus on specific world areas and a multidisciplinary approach. The outcome will be a senior thesis. Prerequisite: senior standing. Offered annually in the spring semester. (4 sem. hrs.)

## **ITALIAN**

### **ITAL 101/102. Elementary Italian I and II**

Intensive audio-lingual training, inductive grammar study, and practice in reading and writing. Four meetings per week and language laboratory drills, films and slides. Prerequisite for ITAL 101: no more than two years of Italian in high school; those with two years of high school Italian may take a placement exam to determine registration at a higher level. Prerequisite for ITAL 102: ITAL 101 or permission of instructor. Offered annually: ITAL 101 in fall, ITAL 102 in spring. (4 sem. hrs. each)

### **ITAL 123/124. Intermediate Italian I and II**

Review and expansion of grammar. Designed to increase students' ability to understand, speak, read and write Italian, and to acquaint them with significant aspects of Italian culture. The second semester emphasizes reading and writing through the use of videos, slides and tapes. Prerequisite for ITAL 123: ITAL 102 or Level III or IV of high school Italian, or permission of instructor. Prerequisite for ITAL 124: ITAL 123 or permission of instructor. Offered occasionally. (3 sem. hrs. each)

### **ITAL 195/295. Tutorial in Italian**

Aspects of Italian culture: a study of selected topics. Readings and discussion in Italian. Prerequisite: permission of instructor. Offered occasionally. (1 sem. hr.)

### **ITAL 399. Independent Study in Italian**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered occasionally. (1–3 sem. hrs.)

## **JAPANESE**

### **JPN 101/102. Elementary Japanese I and II**

Development of all four basic communication skills: speaking, listening, reading and writing. Intensive oral and written practice in class. Students will also be introduced to Japanese culture and society. Prerequisite for JPN 101: no more than two years of Japanese in high school; those with two years of high school Japanese may take a placement test to determine enrollment at a higher level. Prerequisite for JPN 102: JPN 101 or permission of instructor. Offered annually: JPN 101 in fall and JPN 102 in spring. (4 sem. hrs. each)

### **JPN 123/124. Intermediate Japanese I and II**

Designed to improve students' ability to understand, speak, read and write Japanese, while also learning about social and cultural aspects of Japanese society. Second semester will emphasize more reading and writing. Prerequisite for JPN 123: JPN 102 or permission of instructor. Prerequisite for JPN 124: JPN 123 or permission of instructor. Offered annually: JPN 123 in fall and JPN 124 in spring. (3 sem. hrs. each)

### **JPN 195. Tutorial in Japanese**

Designed to increase students' ability to express thoughts in sustained conversation and to approximate native speech and pronunciation. May be repeated for credit. Prerequisite: JPN 101/102 and permission of instructor. Offered every semester. (1 sem. hr.)

## JOURNALISM

### JOUR 101. Writing to Be Read

Students will develop audience awareness and hone writing skills through four short journalism assignments (personal narrative, argumentative essay, film review and op-ed). Special emphasis will be placed on how to determine credibility of facts, incorporate source material and write for an online readership. (3 sem. hrs.)

### JOUR 290/390. Internship in Journalism

Individually arranged participation in the work of an institution devoted to journalism. May be repeated for credit. Graded: S/U. Offered every semester. (2–4 sem. hrs.)

### JOUR 301. Projects in Journalism

Designed for the student thinking of a career as a professional freelance writer, this course offers practical advice and intense practice in the field, culminating in the student's production of a publication-ready article. Prerequisite: FMS 270. Offered every other year in the spring semester. (3 sem. hrs.)

## MATHEMATICAL AND PHYSICAL SCIENCES

### MPS 402. Senior Seminar in Mathematical and Physical Sciences I

The student will select a project that integrates and expands on material from earlier courses. The project proposal (to be implemented in MPS 403) will be completed by the end of the semester. Meets two hours a week. Prerequisite: senior MPS major in good standing or permission of instructor. Offered annually in the fall semester. (2 sem. hrs.)

### MPS 403. Senior Seminar in Mathematical and Physical Sciences II

Continuation of MPS 402. Student implements proposal and presents project to group. Meets two hours a week. Prerequisite: MPS 402. Offered annually in the spring semester. (2 sem. hrs.)

## MATHEMATICS

### MATH 105. Contemporary Mathematics

An introduction to some essential ideas, methods and applications of mathematics. Topics include logic and deduction, problem solving, and numbers and numeracy. Tilings and symmetry, voting systems and game theory will be covered as time permits. Prerequisite: permission of instructor. Offered at least annually. (3 sem. hrs.)

### MATH 109. Precalculus

An introduction to the algebra of sets and functions emphasizing polynomials, exponential, logarithmic and trigonometric functions. Applications to business, economics and biology. Can serve as preparation for calculus. Prerequisite: three years of high school mathematics, including two of algebra, and permission of instructor. Offered annually in the fall semester. (3 sem. hrs.)

### MATH 111. Calculus I: Introduction to Calculus

Properties and graphs of algebraic and transcendental functions. Conceptual and analytical introduction to limits, continuity and derivatives, with applications. Prerequisite: MATH 109 or four years of secondary school mathematics, or permission of instructor. Offered every semester. (4 sem. hrs.)

### MATH 112. Calculus II: Introduction to Calculus

Continuation of MATH 111. The fundamental theorem of calculus, methods of integration, and applications. Introduction to differential equations, partial derivatives, vectors and vector functions. Prerequisite: MATH 111. Offered every semester. (4 sem. hrs.)

### MATH 151. Elementary Statistics

Fundamental techniques of applied statistics, descriptive statistics and data analysis, probability, population parameters, hypothesis testing, regression and correlation. Prerequisite: three years of high school mathematics. This course is designed for students with at least 3 years of high school mathematics. Students who have received credit for MATH 251 may not enroll in MATH 151. Offered every semester. (3 sem. hrs.)

### MATH 195. Tutorial in Trigonometry

Self-paced study of trigonometry topics, either as review or as an introduction. May be used as preparation for calculus or may be taken concurrently. Graded: S/U. Offered every semester. (1 sem. hr)

**MATH 211. Calculus III: Multivariable Calculus**

Continuation of MATH 112. Infinite sequences and series. Vector functions, functions of several variables and applications. Multiple integrals and vector analysis. Prerequisite: MATH 112. Offered annually in the fall semester. (3 sem. hrs.)

**MATH 212. Linear Algebra**

Matrices, vector spaces, linear transformations, determinants and eigenvalues, with applications. Prerequisite: MATH 112. Offered annually in the spring semester. (3 sem. hrs.)

**MATH 213. Ordinary Differential Equations and Applications**

Basic theory of differential equations with applications to continuous models. Focus on analytic methods with introduction to numerical methods. Introduction to computer tools in determining symbolic and numerical solutions. Prerequisite: MATH 112. Offered annually in the spring semester. (3 sem. hrs.)

**MATH 251. Mathematical Statistics**

Descriptive and exploratory data analysis, one variable and two. Designing experiments and sampling. Examples of probability distributions, random variables, means and standard deviations. Central Limit Theorem. Correlation and regression. Confidence intervals and hypothesis testing. Other topics as time allows. Prerequisite: MATH 111 or permission of instructor. Offered in alternate years. (3 sem. hrs.)

**MATH 267. Discrete Mathematics**

An introduction to the foundations of mathematics and computer science through the study of discrete structures. Topics include logic, methods of proof, set theory, functions, relations, number systems and algorithms. Prerequisite: one mathematics course or CS 131 or permission of instructor. Offered annually in the fall semester. (3 sem. hrs.)

**MATH 290. Internship in Mathematics**

Individually arranged participation in the work of a computer laboratory, statistical office or industrial research office. The student must submit a report or paper on an appropriate topic approved by the instructor. Prerequisite: background in mathematics appropriate to the project, and permission of instructor. Graded: S/U. Offered as needed. (2–4 sem. hrs.)

**MATH 300. Probability Theory**

Densities and cumulative distributions of discrete and continuous random variables. Mathematical expectation, independence. Sums of random variables, analysis of Central Limit Theorem. Multivariate distributions. Application of mathematical probability tools in statistical estimation and testing concepts such as power, error types, regression, and maximum likelihood principle. Prerequisite: MATH 112 or permission of instructor. Offered every other year. (3 sem. hrs.)

**MATH 301. Applied and Computational Mathematics**

This course will emphasize the mathematical formulation of “real-world” problems along with common computational techniques used for their solution. Numerical methods and computer use will be emphasized. Prerequisite: MATH 112, PHYS 111L, and a 200-level MPS course, or permission of instructor. Offered every other year. (3 sem. hrs.)

**MATH 305. Operations Research**

Theory and application of representative methods in operations research including linear programming, network analysis, dynamic programming, game theory and queuing theory. Prerequisite: MATH 212 or permission of instructor. Offered in alternate years. (3 sem. hrs.)

**MATH 312. Real Analysis**

Topological aspects of the real line, sequences and series of numbers, convergence, power series, properties of continuous functions, derivatives and their properties, Riemann integration, and the Fundamental Theorem of Calculus. Prerequisite: MATH 267 or permission of instructor. Offered every other year. (3 sem. hrs.)

**MATH 313. Abstract Algebra**

Properties and examples of groups, rings and fields. Emphasis on common categorical notions such as homomorphisms, quotients and isomorphism theorems. Prerequisite: MATH 267 or permission of instructor. Offered alternate years. (3 sem. hrs.)

**MATH 385. Topics in Mathematics**

In-depth study of a selected topic in mathematics. Past topics have included: History of Mathematics. Possible future topics include: Topology, Complex Analysis, and Number Theory. May be repeated for credit with different topics. Offered as needed. (2–4 sem. hrs.)

**MATH 390. Internship in Mathematics**

Individually arranged participation in the work of a computer laboratory, statistical office or industrial research office designed primarily for more advanced students. May be repeated for credit. Prerequisite: MATH 290 or permission of instructor. Graded: S/U. Fee will be variable, living expenses at site. Offered as needed. (2–4 sem. hrs.)

**MATH 395. Tutorial in Mathematics**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**MATH 399. Independent Study in Mathematics**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1–3 sem. hrs.)

**MUSEUM STUDIES****MSEU 100. Introduction to Museum Studies**

An introduction to the theories and practices of museum governance and exhibition design. Students will learn approaches pertaining to museum work appropriate to a variety of audiences, including science, anthropology, history and art. Offered every fall semester. (3 sem. hrs.)

**MSEU 290/390. Internship in Museum Studies**

Individually arranged participation in the work of an institution devoted to museum studies. May be repeated for credit. Graded: S/U. Offered every semester. (2–4 sem. hrs.)

**MUSIC****MUS 108. Musical Theatre in American Society**

The evolution of musical theatre from the 19th century to the present day, and how society affected or was affected by this evolution. A survey of the best musicals in chronological order, including units on World War II, ethnic and “Great Books” musicals. (3 sem. hrs.)

**MUS 112. Listening: A Survey of Western Music**

A survey of Western classical musical styles in historical perspective including compositions by Bach, Mozart, Beethoven and Stravinsky. (3 sem. hrs.)

**MUS 121. Beginning Class Guitar**

Group instruction on acoustic guitar for beginning students. Graded: S/U. May be repeated. Offered each semester. (1 sem. hr.)

**MUS 141. Beginning Class Piano**

Class lessons at the beginning level using the electronic keyboard lab. Students will learn basic symbols, terms and rhythms, and to play simple solo and ensemble pieces. Graded: S/U. May be repeated. Offered annually in the fall semester. (1 sem. hr.)

**MUS 145. Introduction to Music Theory**

The course is designed to teach students with little or no formal music training the elements of music theory. These elements include reading and writing music notation, learning to use the piano keyboard, identifying intervals, learning the structure of major and minor scales, identifying and building chords, analyzing chordal harmonies, understanding melodic structure and harmonizing melodies. This course furthers students’ understanding of musical principles and practices that have been used in Western music from the 17th century through the 20th century. (3 sem. hrs.)

**MUS 150. Concert Choir**

This performance-based course is open by audition. Members prepare for a culminating performance of appropriate choral music for a live audience at the end of each semester. Students may sing without registering for credit if desired. Prerequisite: audition. Graded: S/U. May be repeated for credit. Offered every semester. (2 sem. hrs.)

**MUS 210. World Music**

An introduction to the great diversity of traditional musics worldwide, including units selected from Africa, Asia (China, Japan, Indonesia), the Indian subcontinent, Latin America and Native American music; some

consideration of theatre and dance as well. Includes recorded music, videos and guest presentations. (3 sem. hrs.)

**MUS 220. Wells College Jazz Band**

Students learn to perform the standard jazz repertoire on their instrument of expertise. They also learn improvisation technique. Prerequisite: audition or permission of instructor. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr.)

**MUS 242. Music Theory I**

A study of the language of music and its construction. Includes part writing in four-part vocal style and analysis of Western music and harmony with some composition. Electronic keyboard lab is used for practice and assignments. Prerequisite: MUS 145 or permission of instructor. (3 sem. hrs.)

**MUS 253. Chamber Orchestra**

Instrumental musicians rehearse and perform orchestral works from the Renaissance period to the present. Two weekly rehearsals and at least one performance on campus each semester. Prerequisite: permission of instructor and musical and technical proficiency to match other members of the orchestra. May be repeated for credit. Graded: S/U. Offered every semester. (1 sem. hr.)

## OFF-CAMPUS STUDY

**OCS 110. January at the Art Students League—New York City**

Thorough instruction in drawing, painting, sculpture, graphics, and illustration. The Art Students League is the oldest—and one of the most respected—art schools in the United States. Classes Monday–Friday. Afternoon visits to galleries, museums and artist studios. Graded: S/U. May be repeated for credit. Offered in January. (3 sem. hrs.)

**OCS 215. London Theatre**

Offerings in London theatre. Attendance at approximately 10 to 15 performances will sample the range of venues, types of drama and styles of production from the Royal Shakespeare Theatre and National Theatre and fringe and pub companies; reading of selected plays, discussion and written reviews of performances. Prerequisite: permission of instructor. Offered every other year. (3 sem. hrs.)

**OCS 271. Cross-Cultural Preparation**

Topics include culture, cultural differences, culture shock, cross-cultural conflict, safety while abroad and re-entry shock. Offered during the B-session of the semester before going abroad. Required for study abroad. Graded: S/U. Offered every semester. (0.5 sem. hr.)

**OCS 272. Cross-Cultural Reflection**

Required during and after studying abroad, this course addresses and reflects on and discusses concepts introduced in OCS 271. Classroom application of new perspectives learned abroad will be one of the topics discussed. Graded: S/U. Offered every semester. (0.5 sem. hr.)

**OCS 275. Women and Public Policy Seminar**

Weeklong seminar with women leaders in public service. Formal and informal sessions include policy issues and political institutions, including the Supreme Court, think tanks, Congress, the Executive Branch and nongovernmental organizations—all from women's perspectives. Graded: S/U. May be repeated once. Offered every January. (1 sem. hr.)

**OCS 280. Women and Science/Technology Policy Seminar**

Weeklong seminar with women leaders working in the fields of science and technology, held in Washington, D.C. Speakers are drawn from a variety of agencies and organizations. Graded S/U. May be repeated once. Offered every January. (1 sem. hr.)

**OCS 285. Topics in Experiential Learning**

Weeklong experiential learning in a variety of settings, including community service, with opportunities to apply and test studies in the liberal arts. Past offerings have included: American Genealogical Resources; Navajo Nation Experience; Environmental Restoration and Protection in the Florida Everglades; and Southern Adventures of Fanny Kemble. Graded: S/U. Offered as needed. (1–3 sem. hrs.)

**OCS 300. The Anthropological Experience in Hawaii**

This course will involve two to three weeks of experiential learning and field work in the islands of Hawaii. Students will explore issues such as Native Hawaiian culture and history, cultural resource

management, environmental preservation, agricultural development of sugar cane and coffee, archaeology, multiculturalism and the impact of tourism. Prerequisite: ANTH 250 and permission of instructor. Offered every other year. (3 sem. hrs.)

**OCS 305. The Anthropological Experience in Belize**

This is a two-week intensive course in the multicultural nation of Belize doing field work among Garifuna, Maya, Creole and American ex-patriots. Issues covered include land rights, education, cultural survival, tourism, archaeology and preservation of natural resources. Experiential learning opportunities are available. Prerequisite: permission of instructor. Offered occasionally. (3 sem. hrs.)

**PHILOSOPHY**

**PHIL 100. Philosophy**

Philosophy is an ongoing and open-ended conversation about basic questions of human existence. This course introduces students to the conversation through the works of major philosophers. Offered annually. (3 sem. hrs.)

**PHIL 114. Logic and Critical Thinking**

Introduction to the art of sound reasoning. Emphasis is placed on informal logic and practical applications, although some formal proofs are also considered. Offered at least annually. (3 sem. hrs.)

**PHIL 120. Creativity and the Irrational**

This course explores and promotes creativity from philosophical, psychological, and artistic perspectives. We also consider various kinds of irrationality, and the relationship (if any) between the irrational (or simply non-rational) and innovation and creativity. Students will also be introduced to famous thought experiments from the history of philosophy, and the concepts of "flow" and automatic writing from psychology. The course concludes with discussion of the daily rituals of some famously artistic and creative people. (3 sem. hrs.)

**PHIL 230. Ancient Philosophy**

This course introduces students to major philosophers of the ancient world. Greek and Roman philosophy, as well as Eastern philosophies, will be discussed. Offered every other year. (3 sem. hrs.)

**PHIL 235. Modern and Post-Modern Philosophy**

A study of philosophy from the 17th to the 20th century. Focus on major philosophers such as Descartes, Pascal, Kant, Hegel, Mill, Derrida and Foucault. Offered alternate years. (3 sem. hrs.)

**PHIL 240. Ethics, Equality and Justice**

This course will introduce philosophical theories of ethics, then focus on major issues of equality and justice in view of these theories. Offered at least annually. (3 sem. hrs.)

**PHIL 245. Meaning**

This course focuses on philosophical perspectives on the human quest for meaning. We will discuss existentialist themes in philosophy, film, literature, and psychoanalytic theory. Prerequisite: PHIL 100 or permission of instructor. Offered annually. (3 sem. hrs.)

**PHIL 251. Philosophy, Film and Popular Culture**

This course examines philosophy *through* film, television and other aspects of popular culture, including comic books. We also discuss philosophical perspectives *on* film, television and popular culture. A basic theme of the course is the human condition, as it is expressed in wildly diverse ways. (3 sem. hrs.)

**PHIL 285/385. Topics in Philosophy**

In-depth study of a selected topic in philosophy. For example, a topic in ethics such as the family, abortion or war, or a topic on human nature or religion, such as philosophy of mind, Buddhist philosophy, or existentialism. Prerequisite: PHIL 240 (for ethics topics) or permission of instructor. May be repeated for credit with different topics. Offered occasionally. (2–4 sem. hrs.)

**PHIL 300. Philosophy of Religion**

This courses focuses on main issues in the philosophy of religion, such as the existence of God, the problem of evil, the nature of faith, and the evolutionary origins of "supernatural" beliefs. We will also consider the social and communal aspects of religious commitment and major differences in religious expression across cultures and time periods. Offered every other year. (3 sem. hrs.)

**PHIL 325. Belief and Knowledge**

This course explores philosophical perspectives on belief and knowledge. Sociological, psychoanalytic and historical perspectives also will be considered. Some topics to be examined include the ethics of belief, the meaning and significance of skepticism, theories of knowledge, the social construction of reality and faith versus reason. Prerequisite: one PHIL course or permission of instructor. Offered alternate years. (3 sem. hrs.)

**PHIL 329. Philosophy of Art**

This course focuses on the philosophy of art and beauty. We will discuss questions such as: what is art? What is beauty? Can something cruel or immoral still be beautiful? A work of art? In other respects, the course also focuses on issues such as censorship, who owns art, and violence in art. Offered occasionally. (3 sem. hrs.)

**PHIL 331. Mind**

What is it to have a mind? What is the mind's relation to the brain? Do we ever have free will? In this course, we consider multiple perspectives on these questions and others in the philosophy of mind. Prerequisite: PHIL 100 or permission of instructor. Offered annually. (3 sem. hrs.)

**PHIL 340. Ethics and the Environment**

This course focuses on the unique and pressing ethical issues that are related to human ecology and the environment. We consider, in a careful and sustained way, what moral obligations we have to each other, other animals, and the broader world, in view of modern institutions, values and our unprecedented technology, which can radically alter entire ecosystems. (3 sem. hrs.)

**PHIL 385. Topics in Philosophy**

Past topics have included: "What Is Philosophy?" Offered as needed. (3 sem. hrs.)

**PHIL 395. Tutorial in Philosophy**

Opportunities are offered for advanced tutorial study in subjects of special interest to individual students or small groups of students. The number of such courses offered in any single semester must be restricted. Examples of the range and variety of such offerings are individual philosophers, schools of philosophy and philosophical issues. Prerequisite: permission of instructor. May be repeated for credit. Offered as needed. (1 sem. hr.)

**PHIL 399. Independent Study in Philosophy**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered as needed. (1–3 sem. hrs.)

**PHIL 402. Research and Thesis in Philosophy**

Preparation of a thesis based on individual research. Prerequisite: senior PHIL major. Offered annually spring semester. (3 sem. hrs.)

## PHYSICAL EDUCATION

**PE 105. Meditation for Stress Reduction and Relaxation**

This introductory level class will explore various forms of meditation for stress reduction and relaxation including seated meditation, walking meditation, and mindfulness-based meditation. Simple yoga postures and breathing techniques will be included as appropriate to class needs. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 110. Beginning Swimming**

Course designed primarily for those students who do not pass the Wells swimming test. Emphasis on basic stroke technique. Graded: S/U. Offered every semester. (0.5 sem. hr)

**PE 115. Aerobic Kickboxing**

This course will explore aerobic kickboxing and fitness training using "Seven-Minute Interval-Fire Functional Fitness®" routines. In each session new aerobic and kickboxing sequences will be presented and practiced working up a great sweat and stoking your metabolic furnace with a routine that is not only a great workout but customizable to your personal goals. Graded: S/U. May be repeated for credit. Additional fee. Offered every semester. (0.5 sem. hr)

**PE 118. Beginning Sailing**

Emphasis will be on understanding how to use the wind to sail a boat in a set direction. In addition, how to rig a Sunfish sailboat, take care of equipment in and out of the water, and water safety will be taught. The

many different ways a sailboat can be used for personal enjoyment will also be presented. Graded: S/U. May be repeated for credit. Offered annually fall semester. (0.5 sem. hr)

**PE 119. Canoeing and Kayaking**

Emphasis will be on learning basic strokes used to control and power these boats. Also, care of equipment, both in and out of the water and water safety will be taught. How these boats are used for personal enjoyment in many different ways will also be presented. Graded: S/U. May be repeated for credit. Offered annually fall semester. (0.5 sem. hr)

**PE 121. Water Aerobics**

Low-impact exercises designed to tone your body, increase strength and flexibility, and improve your cardiovascular endurance. Graded: S/U. May be repeated for credit. Offered annually. (0.5 sem. hr)

**PE 123. Yoga**

Yoga is a dynamic system of balance that leads to a healthy mind and body. The course contains various techniques of concentration, proper breathing, posture, cleansing and relaxation. Topics covered encourage knowledge of simple hygiene and nutrition. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 124. Toning**

Exercises designed to increase strength and flexibility of the various body parts. Challenging. Low impact. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 125. Exercise and Weight Training**

Introduction to weight training and exercise principles. Instruction in proper technique and maintenance of a weight training program utilizing the Universal unit. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 129. Beginning Horseback Riding**

This course explores the sport of horseback riding mounted and un-mounted. Beginner students will learn to control a horse at a walk and trot. Experienced students can explore pattern work and transition in either hunt seat or saddle seat disciplines. Additional fee. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 130. Beginning Tennis**

Emphasis placed on skill acquisition of the basic strokes: forehand, backhand, serve, and volley. Introduce rules and scoring. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 135. Golf**

Instruction in basic techniques from beginning through more advanced levels of play. Opportunity for videotaping and course play. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 175. Scuba Diving**

This course prepares the student for safe and enjoyable participation in recreational scuba diving. Successful completion of classroom, pool and open water dives results in lifetime international certification. All scuba equipment furnished. Additional fees.. Graded: S/U. Offered every semester. (1 sem. hr)

**PE 180. Self-Defense**

This course presents basic techniques against a weaponless attacker. Self-defense techniques and escapes against grabs, chokes, punches, and kicks are emphasized along with physical skills to avoid injury, strategies applying the psychology of victim/attacker, and tactics to create effective defense. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 185. Beginning Shorin-ryu Karate**

This course will introduce students to the basic movement skills and concepts of Shorin-ryu karate. Students will learn elementary hand and foot techniques that will be applied in prearranged movement exercises and beginning-level sparring. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 190. Nutrition and Women's Health**

Through lecture/discussion, independent research, and personal introspection, students will identify personal nutrition and wellness issues and learn to discriminate between external sources of nutritional information and their own internal nutritional wisdom. Topics include diets and weight loss, body image, and the role of diet in chronic diseases relevant to women's health, including osteoporosis, breast cancer, and eating disorders. Graded: S/U. Offered occasionally. Does not meet PE activity requirement. (1 sem. hr)

**PE 199. Independent Study in Physical Education**

With approval and under special extenuating circumstances, a student may elect an independent course of study for seven weeks in the area of her or his choice. Minimum requirements include seven weeks of activity, five times weekly, for a minimum duration of 30 minutes. A journal is to be submitted upon course completion. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 223. Intensive Yoga**

Yoga is a dynamic system of balance that has received scientific documentation for leading to a healthy mind and body, and also having enabled students to combine natural law with practical sense of well-being. The course contains various techniques of concentration, proper breathing, posture, cleansing and relaxation. Topics covered encourage knowledge of simple hygienic and nutritional hints. Graded: S/U. May be repeated for credit. Offered every semester. (0.5 sem. hr)

**PE 290/390. Internship in Physical Education**

Individually arranged participation in activities related to physical education and athletics, at institutions such as YM-YWCAs, high schools, health clubs, or similar sports facilities. Prerequisite: permission of instructor. Graded: S/U. May be repeated for credit. Offered as needed. (2–4 sem. hrs)

**PE 315. Lifeguard Training**

American Red Cross certification. Instruction in advanced rescues and escape techniques. Prerequisite: swimming endurance required. Standard First Aid and CPR/BLS required for certification. Additional fee. Graded: S/U. Offered every semester. (2 sem. hrs.)

**PE 410. Intercollegiate Swimming**

Prerequisite: tryout. Graded: S/U. Students register for the course during the spring semester and receive a grade at the end of spring semester, but practices begin in the fall. Offered annually spring semester. (1 sem. hr)

**PE 414. Intercollegiate Baseball**

Prerequisite: tryout. Graded: S/U. Offered annually spring semester. (1 sem. hr)

**PE 415. Intercollegiate Softball**

Prerequisite: tryout. Graded: S/U. Offered annually spring semester. (1 sem. hr)

**PE 416. Water Safety Instructor**

This course is dedicated to developing the skills necessary to instruct and plan courses in the American Red Cross Swimming and Water Safety program. Students are expected to be proficient in the following strokes: front crawl, back crawl, elementary backstroke, breaststroke, and sidestroke. Additional fee. Prerequisite: permission of instructor. Graded: S/U. Offered annually spring semester. (2 sem. hrs.)

**PE 420. Intercollegiate Volleyball**

Prerequisite: tryout. Graded: S/U. Offered each semester. (1 sem. hr)

**PE 430. Intercollegiate Tennis**

Prerequisite: tryout. Graded: S/U. Offered annually fall semester. (1 sem. hr)

**PE 435. Intercollegiate Cross-Country**

Prerequisite: tryout. Graded: S/U. Offered annually fall semester. (1 sem. hr)

**PE 440. Intercollegiate Field Hockey**

Prerequisite: tryout. Graded: S/U. Offered annually fall semester. (1 sem. hr)

**PE 442. Intercollegiate Soccer**

Prerequisite: tryout. Graded: S/U. Offered annually fall semester. (1 sem. hr)

**PE 445. Intercollegiate Lacrosse**

Prerequisite: tryout. Graded: S/U. Offered annually spring semester. (1 sem. hr)

**PE 446. Intercollegiate Basketball**

Prerequisite: tryout. Graded: S/U. Offered annually spring semester. (1 sem. hr)

## PHYSICS

Of the physics offerings, one course, PHYS 106L Introductory Astronomy, is of general interest and is intended for students majoring outside the sciences. This course meets the College laboratory science requirement.

Fundamentals of Physics I and II (PHYS 111L and PHYS 212L) form a two-semester sequence and are designed to emphasize the fundamental principles of classical physics and to develop in the student a quantitative understanding of these principles. A third course, PHYS 302 Modern Physics, is an introduction to the revolutionary ideas of 20th-century physics.

PHYS 221L Principles of Electronics provides an introduction to the fast-changing science of information and signal processing. They are appropriate for students in the sciences.

The course MATH 301 Applied and Computational Mathematics is designed for a student with a major in mathematical and physical sciences. It concentrates on a variety of mathematical and computer-related tools with applications in physical science.

The remaining courses are designed for the mathematics and physics majors and offer more concentrated study of particular areas of physics and pre-engineering.

### **PHYS 104. Why Music Matters: The Science of Sound**

Music appeals to all people, and has done so for thousands of years. We will apply scientific principles to the art of music to show why music evokes an emotional response. It will include occasional hands-on activity. (3 sem. hrs.)

### **PHYS 106L. Introductory Astronomy**

This course covers the basic ideas and techniques of astronomy; the night sky; star physics and evolution; contents and structures of galaxies; and black holes and cosmology. Nighttime telescope work, weather permitting. Meets natural laboratory science distribution requirement. Offered alternate years in the fall semester. (4 sem. hrs.)

### **PHYS 111L. Fundamentals of Physics I**

A calculus-based introductory course for all science, mathematics and pre-engineering students. Particle kinematics; vectors; Newton's law; forces and their effects; energy conservation; systems of particles; momentum conservation; and rotational kinematics. Prerequisite: four years of high school mathematics and MATH 111 or equivalent. Offered annually in the spring semester. (4 sem. hrs.)

### **PHYS 212L. Fundamentals of Physics II**

A continuation of PHYS 111L. Traveling and standing waves; electrostatics in vacuum and in materials (Coulomb's and Gauss's laws); Magnetostatics (Biot-Savart's and Ampere's laws); Faraday's law of induction; lenses and mirrors; interference and diffraction of light. Prerequisite: PHYS 111L, MATH 112. Concurrent registration in MATH 211 is encouraged. Offered annually in the fall semester. (4 sem. hrs.)

### **PHYS 221L. Principles of Electronics**

Introduction to analog and digital electronics. DC and AC circuit theory, impedance, filters, transistor operation and amplification, operational amplifiers, simple logic gates, counters, D/A converters. Prerequisite: PHYS 111L or permission of instructor. Offered alternate years. (4 sem. hrs.)

### **PHYS 290. Internship in Physics**

Individually arranged participation in research with industry or a university. This course will not satisfy any requirement in the mathematics/physics major or minor. Prerequisite: permission of instructor. Graded: S/U. Offered every semester. (2–4 sem. hrs.)

### **PHYS 302. Modern Physics**

This course completes the introductory sequence in physics. Topics include: the photo effect; black-body radiation; early results in atomic physics; the Schrodinger equation in one and three dimensions; hydrogen atom; atomic spectroscopy; introduction to quantum statistical mechanics, and applications. Prerequisite: PHYS 111L, MATH 112. (3 sem. hrs.)

### **PHYS 303. Theoretical Mechanics**

An advanced theoretical study of Newton's laws, making use of numerical computing. Dynamics of particles, orbits, coupled systems, damped oscillators, phase portraits, periodicity and chaos are topics typically covered. Prerequisite: PHYS 212L and MATH 112. Offered every other year. (3 sem. hrs.)

**PHYS 307. Special Relativity and Intermediate Quantum Mechanics**

An in-depth study of the two pillars of 20th-century physics. Einstein's special relativity revolutionized humanity's understanding of space and time, and we will study its treatment of kinetics and energetics, with consideration of length contraction, time dilation and mass-energy equivalence. We then turn to, initially, Schrodinger's quantum mechanics as applied to bound and free states, culminating in the hydrogen atom. Finally we consider an alternative formulation, using operator methods, which allow for understanding of spin and angular momentum, or single and multi-electron systems. Prerequisites: MATH 111; PHYS 302, or permission of instructor. (3 sem. hrs.)

**PHYS 340. Experimental Physics**

Advanced laboratory work in the physical sciences, using a variety of specialized equipment (examples: Cavendish torsion balance; frequency response analysis of mechanical systems using Fourier methods; hyperfine splitting of rubidium vapor using Doppler methods; measurement of the e/m ratio). (3 sem. hrs.)

**PHYS 351. Research in Physics and Computing**

Collaboration with physics and related faculty in specialized work. Ongoing projects include: automated data acquisition and analysis, molecular order in liquid crystals, computing languages and computer modeling and simulations. May be repeated for credit. Prerequisite: permission of instructor. Offered as needed. (2 sem. hrs.)

**PHYS 385. Topics in Physics**

In-depth study of a selected advanced topic in physics, such as Electricity and Magnetism; Quantum Mechanics; or Thermal and Statistical Physics. Prerequisite: junior and senior majors and permission of instructor. May be repeated for credit with different topics. Offered as needed. (3 sem. hrs.)

**PHYS 390. Advanced Internship in Physics**

Individually arranged participation in research with industry or a university. This course will not satisfy any requirement in the mathematics/physics major or minor. Prerequisite: permission of instructor. Graded: S/U. Offered as needed. (2–4 sem. hrs.)

**PHYS 398. Supplementary Advanced Work in Physics**

Prerequisite: permission of instructor. Offered as needed. (3 sem. hrs.)

## POLITICAL SCIENCE

**POLS 155. American Politics**

An introduction to the institutional and behavioral foundations of American politics. Offered every semester. (3 sem. hrs.)

**POLS 210. The United Nations Simulation**

Students who participate actively in the Model U.N. Club may receive credit for work done in conjunction with the club's activities. May be repeated for credit. Offered in the spring semester as needed. (1 sem. hr.)

**POLS 230. Democratic Theory**

Explores the central themes of democratic thought in political theory, including classical democracy, social contract theory and current issues. Both classical and contemporary readings address citizenship, equality and political participation. Prerequisite: POLS 155 or permission of instructor. Offered alternate years. (3 sem. hrs.)

**POLS 235. The U.S. Congress**

Introduces students to the development of public policy in the United States by focusing on Congress as an institution, congressional policy roles and relations between the legislative and executive branches. Prerequisite: POLS 155. Offered annually in the spring semester. (3 sem. hrs.)

**POLS 255. American Parties and Elections**

A detailed look at the nature of political parties in the United States including organization, electoral considerations and government functions. Independent research by students regarding the health of the party system. Prerequisite: POLS 155 or permission of instructor. Offered alternate fall semesters. (3 sem. hrs.)

**POLS 262. Politics in Developing Countries**

An analysis of political institutions, dependency, militarism and democratization in developing countries. Prerequisite: POLS 155 or INTL 151. Offered alternate years. (3 sem. hrs.)

**POLS 267. International Organization**

Examination of the goals, nature and problems of international organizations with specific focus on the role of the United Nations and its related agencies and programs. Prerequisite: INTL 151 or POLS 155 or permission of instructor. Offered alternate years. (3 sem. hrs.)

**POLS 268. Comparative Governments and Politics: Cases of Predominantly Black Nations**

The study of the structures of the major political and social institutions and the struggle for power in predominantly black nations. Prerequisite: POLS 155 or INTL 151. Offered alternate years. (3 sem. hrs.)

**POLS 285/385. Topics in Public Policy and Politics**

In-depth study of a selected topic in political science. Study of participation, public policy and policy making in industrial societies. Topics may include: poverty, housing, education, job training, health care, unemployment, welfare, conservation, political participation, elections and campaigns. Prerequisite: POLS 155 or sophomore standing. May be repeated for credit with different topics. Past topics have included: U.S. Social Welfare Policy; Race, Public Policy and Democracy in the U.S.; The Politics of Terrorism; and Politics and Whiteness in the U.S. Offered as needed. (3 sem. hrs.)

**POLS 290/390. Internship in Political Science**

Students may submit proposals for internships in any governmental or political office or in a legal office. Prerequisite: one course in political science or permission of instructor. Graded: S/U. May be repeated for credit. Offered as needed. (2–4 sem. hrs.)

**POLS 299/399. Independent Study in Political Science**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered as needed. (1–3 sem. hrs.)

**POLS 307. Contemporary Political Ideologies**

Introduces political theory by examining the ideologies that have most influenced modern, political institutions, movements and arguments. Possible ideologies include liberalism, socialism, fascism, nationalism and feminism. Prerequisite: POLS 155 or INTL 151 or permission of instructor. Offered alternate years. (3 sem. hrs.)

**POLS 320. Liberalism and Its Critics**

Liberalism as a central tradition of the West. From its mid-17th century origins, liberalism has encountered a series of problems: of the individual, exchange, the public, limits, power, welfare and the self. Response by critics of liberalism. Prerequisite: POLS 155 or INTL 151, or permission of instructor. Offered alternate years. (3 sem. hrs.)

**POLS 332. Old and New Paradigms in World Politics**

Critical discussion on the old and new paradigms within the world of politics. Major topics will include population control, environmentalism, search for peace, etc. Prerequisite: POLS 155 or INTL 151 or permission of instructor. Offered alternate years. (3 sem. hrs.)

**POLS 340. Politics of the Emerging Nations in Asia**

This course will compare contemporary political institutions, the role of civil society, the national ideologies, and economic policies of the emerging and non-emerging countries in Asia. Prerequisite: INTL 151 or POLS 155. Offered alternate years. (3 sem. hrs.)

**POLS 345. Public Opinion**

An investigation of the substance and structure of public opinion in the United States. Students will assess the current literature and conduct independent research. Prerequisite: POLS 155 or permission of instructor. Offered alternate fall semesters. (3 sem. hrs.)

**POLS 355. Approaches to International Relations**

Survey of the main theories and approaches to international relations, such as systems analysis, idealism, realism, environmental and psychological theories, functionalism, imperialism, conflict and decision-making theories. Prerequisite: INTL 151 or POLS 155 or permission of instructor. Offered alternate fall semesters. (3 sem. hrs.)

**POLS 360. The U.S. Judiciary**

Examines the role of the U.S. judiciary and public policy with an emphasis on judicial review, civil rights and liberties and the Supreme Court. Prerequisite: POLS 155 or HIST 242. Offered alternate years. (3 sem. hrs.)

**POLS 365. Governments and Politics in Industrialized Countries**

Analysis of the government and politics in major industrialized countries with particular emphasis on political culture, political institutions, policies and electoral process and behavior. Prerequisite: POLS 155 or INTL 151, or permission of instructor. Offered alternate spring semesters. (3 sem. hrs.)

**POLS 395. Tutorial in Political Science**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**POLS 399. Independent Study in Political Science**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1–3 sem. hrs.)

**POLS 401. Senior Seminar and Thesis in Political Science**

This seminar is about the examination of individual research issues and topics that seniors in political science are working on in their theses. Besides specific sessions on the methodological and theoretical issues, seniors will regularly meet to exchange ideas related to their common experience. Prerequisite: POLS senior. Offered annually in the fall semester. (4 sem. hrs.)

## PSYCHOLOGY

**PSY 101. General Psychology**

An introduction to the scientific study of behavior, including an examination of various approaches to psychological thought. Among the topics addressed are learning, cognition, development, motivation and psychopathology. Format varies; may be lecture or seminar. (3 sem. hrs.)

**PSY 200. Sport Psychology**

An overview of the theories and research related to sport behavior. Topics include motivation; effect of attention, emotion and mood on performance; cognitive and behavioral interventions; social psychology of sport. Offered every spring semester. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 206. Health Psychology**

An introduction to the interdisciplinary field of health psychology. Students will learn theories and principles of health psychology and apply them to wellness, prevention, illness and health care. (3 sem. hrs.)

**PSY 210. Child Development**

An introduction to developmental psychology covering conception through adolescence. Physical, social and cognitive development are explored with emphasis on early and mid-childhood. Major theories are applied to common issues in development, e.g., parent-child relations, education, poverty and delinquency. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 214. The Psychology of Women**

This course uses the theories and methods of psychology to focus on women's development, personality and role in society. (3 sem. hrs.)

**PSY 224. Social Psychology**

This course will explore the interaction between the individual and the social world. Topics covered will include social cognition; the self; attitudes and persuasion; group process; prejudice, stereotyping and discrimination; aggression; and prosocial behavior. Cross-cultural perspectives will be examined. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 227. Abnormal Psychology**

A survey of research and descriptive aspects of behavior pathology and methods of treatment. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 235. Forensic Psychology**

This course provides an introduction to forensic psychology, which is the intersection of psychology and the legal system. Examples of topics covered are expert-witness issues, insanity pleas, false confessions, issues surrounding repressed memory, eyewitness testimony and criminal profiling. Special attention will be given

to the psychological implications of the legal system's treatment of minority groups. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 242. Drugs and Behavior**

A study of mind-altering drugs and their effects on the central nervous system and behavior. Drug dependence and abuse. Principles of psychopharmacology. Prerequisite: PSY 101 or permission of instructor. (3 sem. hrs.)

**PSY 250. Human Sexuality**

A survey of the biological, psychological and cultural aspects of human sexuality, including the development of sexual behavior, love and sexual relationships, AIDS, sexual victimization, the physiology and sexual behavior and sexual dysfunctions, and controversial issues in human sexuality. (3 sem. hrs.)

**PSY 270. Foundations and Methods in Psychology**

This course is an introduction to methodological thinking in psychology, using a hands-on approach that applies basic methodological concepts to professional and popular press reports related to psychological concepts. The course will provide students with a foundation for success in the study of psychology as well as critical thinking skills that can be applied to any social science and in everyday life. (3 sem. hrs.)

**PSY 275. Positive Psychology**

Review of strength-based approaches to psychology. Research, theory and cross-cultural perspectives on resiliency, gratitude, forgiveness, spirituality, humor, mindfulness, emotional intelligence, and creativity and their effects on well-being and "the good life" are just some of the topics to be investigated. (3 sem. hrs.)

**PSY 280. Psychology of Art**

An examination of the creation and experience of art as a product of human behavior and mental process, and an exploration of the positive uses to which it can be applied (e.g., toward the pursuit of wellness or social justice). (3 sem. hrs.)

**PSY 285. Topics in Psychology**

In-depth study of a selected topic in psychology. May be repeated for credit with different topics. Past topics have included: Constructing Sexual Identities: Cross-Cultural Perspectives; Environmental Psychology; Violence and Schools; and Organizational Psychology. (2–4 sem. hrs.)

**PSY 290. Internship Program in Psychology**

Individually arranged field experiences in psychological settings, for example, psychiatric hospitals, both private and public, and education classes for students with disabilities. A journal and a paper evaluating the experience will be required as a form of assessment. Prerequisite: two courses in psychology and permission of instructor. Graded: S/U. (2–4 sem. hrs.)

**PSY 301. Clinical Child Psychology**

An examination of prevalent psychological disorders among children (including behavioral, emotional, health-related, development and learning disorders). Objectives include: improved understanding of etiology, learning the basics of assessment and diagnosis, and applying theories to the treatment of childhood mental disorders. Prerequisite: PSY 210 or PSY 227 or permission of instructor. Offered in alternate years during the fall semester. (3 sem. hrs.)

**PSY 306. Organizational Behavior**

Students will explore issues such as employee motivation, group goal achievement, development of leadership skills and working successfully with diverse populations. We will discuss power and politics, stress and coping, and other topics related to navigating the workplace. Prerequisite: PSY 101 or permission of instructor and at least sophomore standing. PSY 224 Social Psychology is a recommended (but not required) prerequisite. (3 sem. hrs.)

**PSY 318. Adolescent Development**

Psychological approaches exploring the diversity of adolescent development. The course will focus on the intersections of culture, race, class, gender and sexuality during adolescence. Topics include: growing up rural/urban, immigration and schooling, resiliency, love and intimacy and identity in global times. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 330. Indigenous Psychologies**

Emphasizes a cultural sciences approach to psychology, including counseling/therapy, assessment and research. Challenges assumptions of Western psychology and emphasizes the necessity of understanding each culture within its own social and ecological context and frame of reference. Prerequisite: PSY 101 and two other courses in psychology or permission of the instructor. (3 sem. hrs.)

**PSY 335. Psychology of Environmental Sustainability**

This course examines theoretical perspectives and empirical research on promoting environmentally sustainable behavior. Through team-based, service learning projects, students apply knowledge gained in the course to address sustainability issues on the Wells campus and in the surrounding community. Prerequisite: sophomore standing or above. (3 sem. hrs.)

**PSY 338. Psychotherapy**

An examination of the major systems of psychotherapy (psychoanalysis, cognitive, person-centered, behavioral, etc). Objectives include: developing a model of therapy, learning basic elements of counseling, working with diverse populations developing and applying knowledge of the ethics code. Prerequisite: PSY 227 or PSY 301, or permission of instructor. (3 sem. hrs.)

**PSY 340. Psycholinguistics**

The psychological study of language: how it is learned, produced, comprehended and used. Philosophical, biological, cultural, methodological and theoretical issues will be covered. Special topics such as animal language, sociolinguistics, second language acquisition and language disorder will also be discussed. Prerequisite: PSY 101 (experience with a second language and PSY 347 are desirable but not required). (3 sem. hrs.)

**PSY 342. Biological Bases of Behavior**

A study of the three biological bases of behavior—nervous system, endocrine system, and genetics—and how each plays a role in the expression of behavior, from thirst and hunger to sexual behavior to addictions to psychological disorder and more. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 343. Neuropsychology**

A study of clinical and experimental research concerning human brain function with particular emphasis on psychological deficit. Methods of assessment of neuropsychological impairment. Prerequisite: two courses in psychology or permission of instructor. (3 sem. hrs.)

**PSY 347. Cognitive Psychology**

Cognitive psychology is concerned with the scientific study of the mind and how we process, store and retrieve information. Mental functions studied in the course include perception, attention, memory, reasoning, decision making, problem solving and language processing. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 349. Cognition and Culture**

An interdisciplinary exploration of the interplay between cultural and cognitive processes, the resulting diversity of mind and its role in actions such as intergroup conflict resolution. Conducted as an upper-level discussion seminar complemented by the cultural perspectives of guest speakers. Prerequisite: PSY 101 or ANTH 161 (PSY 347 recommended). (3 sem. hrs.)

**PSY 355. Adult Development and Aging**

Using a lifespan approach, this course examines recent research on the physiological, psychological and social dimensions of adult development. The goals of this course are to acquaint students with the basic processes of adult development and to promote positive attitudes and expectations about aging. Prerequisite: PSY 101. (3 sem. hrs.)

**PSY 360L. Qualitative Research Methods**

Methodologies in psychology which use qualitative description and analysis. Methods emphasized: interviews, case study and participant observation. Extensive use of video and computer technologies for data collection and analysis. Three class hours and two of field-based study. Prerequisite: two courses in psychology and MATH 151, or permission of instructor. (4 sem. hrs.)

**PSY 365L. Quantitative Methods in Psychology**

Basic quantitative research methods commonly used in psychology are examined in detail, with particular emphasis on choosing appropriate methods for research questions/hypothesis in different areas of psychology (e.g., developmental, social, cognitive). For the laboratory session, students spend two hours each week collecting and/or analyzing data. Prerequisite: two courses in psychology and MATH 151, or permission of instructor. (4 sem. hrs.)

**PSY 370. Sensation and Perception**

An exploration and appreciation of the sensory and perceptual processes that produce an interpretation of the world for us. Experiential activities will include perceptual illusions and experiments, art museum field trip, and mammalian eye dissection. Prerequisite: PSY 101 or permission of instructor. (3 sem. hrs.)

**PSY 385. Topics in Psychology**

In-depth study of a selected topic in psychology. May be repeated for credit with different topics. Past topics have included: Constructing Sexual Identities: Cross-Cultural Perspectives; Environmental Psychology, Sensation and Perception; and Stereotyping and Stigmatization. (2–4 sem. hrs.)

**PSY 390. Advanced Internship Program in Psychology**

Individually arranged field experiences for students who have taken PSY 290. A journal and a research paper on a topic related to the internship will be required of students enrolled in this program as a form of assessment. Prerequisite: PSY 290 and permission of instructor. Graded: S/U. (2–4 sem. hrs.)

**PSY 395. Tutorial in Psychology**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. (1 sem. hr.)

**PSY 396. Tutorial: Diversity and Psychology**

We will critically explore such topics as how western research shapes our understanding of human behavior, possibilities for constructing different psychologies, how paradigms frame our understanding of human life, how class and gender shape identities in the classroom, implicit assumptions in developmental theory and their consequences in the practice of psychology. Participants will be encouraged to continue critical examination of their attitudes, beliefs, and assumptions regarding race, class, gender, sexual orientation, ability, culture, etc. through dialogues with other participants. (1 sem. hr.)

**PSY 398. Supplementary Advanced Work in Psychology**

Prerequisite: adequate preparation for advanced work in the field, and permission and approval of instructor. May be repeated for credit. (3 sem. hrs.)

**PSY 399. Independent Study in Psychology**

Prerequisite: permission of instructor and approval. May be repeated for credit. (1–3 sem. hrs.)

**PSY 403. Senior Seminar: Contemporary Issues in Psychology**

An examination of selected theoretical and professional issues in psychology. Students will prepare a thesis based on review of the literature on a topic approved by the instructor and the department. Prerequisite: senior standing with major field in psychology. (4 sem. hrs.)

**PSY 404. Senior Empirical Research Project in Psychology**

Empirical research project based on PSY 403 research proposal. Prerequisite: permission of instructor. (4 sem. hrs.)

## RELIGION

**RELG 100. Gods and Creation: East and West**

This course is a basic introduction to religion in a diversity of cultural contexts, ranging from the ancient Near East to African traditional religions, and focusing on how different traditions have envisioned the gods, the created order, and the place of humanity within that order. Offered annually in the fall semester. (3 sem. hrs.)

**RELG 255. Islamic Civilization and Culture**

This course will trace Islam's historical development and cultural contributions, analyze its basic beliefs and practices, examine the Muslim experience in America and assess Islam's place in the contemporary world. Offered alternate years. (3 sem. hrs.)

**RELG 263. The Hebrew Bible and Jewish Tradition**

A study of the literature, religion and faith of ancient Israel in light of the ancient Near Eastern environment, religious and ethical factors within Israel, and the course of historical events and social change. Offered alternate years. (3 sem. hrs.)

**RELG 264. The New Testament and Early Christianity**

A study of the literature, religion and faith of early Christianity, as compared to and contrasted with early Judaism and Hellenistic religions. Offered alternate years. (3 sem. hrs.)

**RELG 265. Christianity**

An introduction to central figures, writings and intellectual movements in the history of Christianity and related religious traditions from late antiquity to the beginning of the Reformation in Europe. Themes will range from significant theological ideas, such as theories about the person of Jesus of Nazareth, to the

evolution of Christian moral teaching on abortion and the status of women. Prerequisite: RELG 263 or RELG 264. Offered alternate years. (3 sem. hrs.)

**RELG 269. History, Myth and Religion**

A general introduction to the phenomenology of religion, examining the patterns of humanity's experience of the sacred, from ancient to modern times, and how particular beliefs, symbols and sacred histories (myths) have persisted and interacted in texts, art and ritual. Offered alternate years. (3 sem. hrs.)

**RELG 275. Religions of Asia**

An exploration of Asian religious traditions with special reference to cultural origins, social context and foundational beliefs and practices. Offered alternate years. (3 sem. hrs.)

**RELG 321. Faith and Post-Modern Culture**

This course explores the unique characteristics and complexities of faith in contemporary cultures. Offered occasionally. (3 sem. hrs.)

**RELG 330. Native Americans and the Environment**

This seminar will provide an overview of traditional Native American world views and ceremonial life. Special attention will be given to an in-depth exploration of the environmental philosophies and sacred practices of selected peoples. Offered occasionally. (3 sem. hrs.)

**RELG 375. Body and Soul: From Antiquity to Post-Modernity**

An exploration of the way in which religions have conceptualized the human body, human sexuality and the soul. The course will examine themes ranging from body-soul dualism to materialism, reincarnation and the afterlife, with special reference to the cultural contexts of these beliefs and the scientific, ethical and philosophical grounds for holding them. Prerequisite: one course in religion, philosophy or anthropology. Offered alternate years. (3 sem. hrs.)

## SCIENCE, HEALTH AND VALUES

**SHV 290/390. Internship in Science, Health and Values**

Internship in a setting that permits students to learn firsthand about issues related to health including ethics, health care and health administration. Prerequisite: sophomore standing, at least one course in Ethics, and permission of instructor; SHV 290 is a prerequisite for SHV 390. Graded: S/U. Offered as needed. (2–4 sem. hrs.)

**SHV 399. Independent Study in Science, Health and Values**

The independent study is an opportunity to reflect on the moral ramifications of the knowledge about health and health care acquired in the course of the science, health and values minor. Prerequisite: SHV minor, junior standing. Offered as needed. (1–3 sem. hrs.)

## SOCIAL AND ECONOMIC JUSTICE

**SEJ 250. Introduction to Community Organizing**

This course helps students bridge the gap between learning about social injustices and doing something about them. By examining social movements of today and yesterday, students will focus on a specific issue and develop a campaign for change in the future. Prerequisite: permission of instructor. Offered alternate years. (3 sem. hrs.)

**SEJ 290/390. Internship in Social and Economic Justice**

Students will gain experience working for an organization that promotes social and/or economic justice, or on a campaign that is fighting for social and/or economic justice. Arrangements are the student's responsibility, but must be made in consultation with the SEJ faculty sponsor and the Office of Academic and Career Advising. Costs are the responsibility of the student. Prerequisite: permission of instructor and at least one course in the minor. Graded: S/U. May be repeated for credit. Offered every semester. (2–4 sem. hrs.)

## SOCIAL SCIENCES

**SS 290/390. Internship in the Social Sciences**

Individually arranged field experiences in the social sciences. Graded: S/U. (2–4 sem. hrs.)

**SS 294. Research Methods for the Social Sciences**

Study of major empirical techniques of quantitative and qualitative research, with an emphasis on the experiment, social survey, content analysis and structured interviews. Readings on research design and writing research will be complemented by a research project. Prerequisite: one course in the social sciences or permission of instructor. Offered annually in the spring semester. (4 sem. hrs.)

**SS 299/399. Independent Study in the Social Sciences**

Individually arranged independent study in the social sciences. (1–3 sem. hrs.)

## SOCIOLOGY AND ANTHROPOLOGY

**SOCA 401. Senior Essay and Research Seminar in Sociology and Anthropology**

Preparation of an essay in the field of anthropology or sociology based on class work and individual research. Intended for students majoring in anthropology or sociology. Prerequisite: major in anthropology or sociology. Offered annually fall semester. (4 sem. hrs.)

## SOCIOLOGY

**SOC 151. Principles of Sociology**

An introduction to the basic concepts and major perspectives of sociology, examining in particular the relationship between personality and society, the study of groups as social systems, and the analysis of societies and their structure. (3 sem. hrs.)

**SOC 200. Humans, Animals and Interaction**

What can our close living and working relationships with non-human animals reveal about human society? Why do we eat some animals but consider others (wo)men's best friend? This course examines our complicated and often contradictory relationships with animals. Prerequisite: SOC 151 or ANTH 161. Offered alternate years. (3 sem. hrs.)

**SOC 228. Social Problems**

This course examines the complex process through which public issues are transformed into social problems and addressed through social policy. Readings and discussions apply a social constructivist model to several contemporary social problems (e.g., teen pregnancy, HIV/AIDS, obesity and bullying). (3 sem. hrs.)

**SOC 235. Social Deviance**

This course deals with issues of power in the definition of deviance, and the creation, resistance and abandonment of deviant identities. We end the semester with an examination of the "normal." Prerequisite: SOC 151 or PSY 227 or permission of instructor. Offered alternate years. (3 sem. hrs.)

**SOC 277. Social Inequality: Class and Ethnicity**

This course examines issues of poverty, wealth, power and powerlessness as they pertain to class and ethnicity. The main focus will be on the United States, but we will also examine global inequalities. Prerequisite: SOC 151 or SOC 228, or permission of instructor. Offered every spring. (3 sem. hrs.)

**SOC 285/385. Topics in Sociology**

In-depth study of a selected topic in sociology. Past topics have been: Sociology of Work and Occupations; Gender Differences in Language and Aggression; Hate Crimes and Bias-Motivated Violence; and Gender. May be repeated for credit with different topics. Offered as needed. (2–4 sem. hrs.)

**SOC 290. Internship in Social Service Agencies**

Students learn within social agencies and institutional settings where they observe trained professionals working with clients. The settings may include mental hospitals, child care or nursery schools, nursing homes, etc. Costs and arrangements are the responsibility of the student. Prerequisite: one sociology or anthropology course and permission of instructor. Graded: S/U. Offered every semester. (2–4 sem. hrs.)

**SOC 315. Men and Masculinities**

This course critically examines the matrix of masculinities in American culture, as well as the structures and practices which contribute to the scripting of gender relations, men's use of power and the constraints associated with some masculine forms. Prerequisite: SOC 151 or WGS 148 or ANTH 161 and sophomore standing or permission of instructor. Offered alternate years. (3 sem. hrs.)

**SOC 331. Mass Media and Society**

Media are primary socializing agents. This course investigates the relationship between media and hyper-

consumerism in American society, the ways media contribute to the formation of racial, gender-based, age-based and class-based stereotypes, the relationship between media and democracy and the degree to which media may be an agent of cultural imperialism. Prerequisite: SOC 151 or SOC 228 or SEJ 260. Offered alternate years. (3 sem. hrs.)

**SOC 363. Sociological Theory**

This course provides a survey of major sociological theorists from the origins of the field to present day. The course explores the important tensions (e.g., continuity/social change, structure/agency, and society/individual) which give rise to competing streams of social thought. Prerequisite: SOC 151 and rising sophomore, or permission of instructor. Offered annually during the fall semester. (3 sem. hrs.)

**SOC 390. Advanced Internship in Social Service Agencies**

In addition to observing trained professionals working with clients within social agencies and institutional settings, students in this advanced internship assume greater responsibility for working with clients served by the institution. Analysis in the term paper should reflect the knowledge and background of an upper-level student. Prerequisite: five sociology and anthropology courses and permission of instructor. Graded: *S/U*. Offered as needed. (2–4 sem. hrs.)

**SOC 395. Tutorial in Sociology**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**SOC 398. Independent Research in Sociology**

Topic open. Prerequisite: Adequate preparation for advanced work in the field and permission of Instructor. Offered as needed. May be repeated for credit. (1–3 sem. hrs.)

**SOC 399. Independent Study in Sociology**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1–3 sem. hrs.)

## SPANISH

**SPAN 101/102. Elementary Spanish I and II**

Oral training, grammar essentials and practice in writing and reading. Second semester also includes dialogues and "lectures" which present current social, economic and cultural issues of Latin American and Hispanic cultures in the U.S. Four meetings per week. Language laboratory, films, slides and drills. Prerequisite for SPAN 101: no more than two years of high school Spanish; those with two years of high school Spanish may take a placement exam to determine enrollment at a higher level. Prerequisite for SPAN 102: SPAN 101 or permission of instructor. Offered annually: SPAN 101 in fall, SPAN 102 in spring. (4 sem. hrs. each)

**SPAN 123/124. Intermediate Spanish I and II**

Designed to improve the student's ability to understand, speak, read and write Spanish, while concentrating on social and cultural aspects of Hispanic society. The second semester places increased emphasis on reading and writing. Three meetings per week and language laboratory, films and drills. Prerequisite for SPAN 123: SPAN 102, or Level III or IV of high school Spanish, or permission of instructor; those with three years of high school Spanish may take a placement exam to determine enrollment at a higher level. Prerequisite for SPAN 124: SPAN 123 or permission of instructor. Offered annually: SPAN 123 in fall, SPAN 124 in spring. (3 sem. hrs. each)

**SPAN 128. Medical Spanish**

This course addresses the need of Wells students in fields such as pre-med, science, biology, etc. of some experience with the Spanish language. In this course, students develop communicative proficiency and accuracy in the use of the Spanish language in medical settings with Spanish-speaking patients. Students are exposed to pertinent information about the Hispanic culture as well when it comes to hospitals, diseases, medical attention, emergencies, etc. Students also participate in language tasks through listening, reading, writing and conversation. Prerequisite: SPAN 101 and 102, placement exam, transfer credits or permission of instructor. (3 sem. hrs.)

**SPAN 200. Spanish for the Professions**

The course focuses on the importance of bilingualism in the U.S., strategies for lifelong learning, and culture; it includes a review of relevant language. The students will gain necessary skills to read, write and translate documents related to different fields. (3 sem. hrs.)

**SPAN 203. Advanced Grammar in Context**

Study of structural principles in Spanish. Uses current audiovisual technology, practice in writing, reading comprehension, and conversation aimed at the development of a reasonable competence in writing and speaking correct Spanish. Prerequisite: SPAN 124, Level V of high school Spanish, or departmental placement exam, or permission of instructor. Offered annually in the fall semester. (3 sem. hrs.)

**SPAN 204. Conversation and Composition through Film**

The course aims to give students a new appreciation of Spanish language cinema and Hispanic culture while improving their written and conversational skills. Prerequisite: SPAN 124, Level V of high school Spanish, or departmental placement exam, or permission of instructor. Offered alternate years. (3 sem. hrs.)

**SPAN 207. Introduction to Hispanic Literature**

A study of the most pertinent literary works of the Spanish speaking world, giving special attention to the social, ideological, cultural and economic background. Students will also be introduced to literary criticism to apply to reading assignments. Prerequisite: SPAN 203 or SPAN 204; permission of instructor or placement exam. (3 sem. hrs.)

**SPAN 209. Introduction to Hispanic Culture**

This course offers students the fundamentals of the Hispanic culture, utilizing different perspectives and critical readings. Taught in Spanish, its mission is to synthesize the history and traditions of Spain, Latin America and the Hispanic Caribbean. Prerequisite: SPAN 203 or SPAN 204; placement exam or permission of instructor. (3 sem. hrs.)

**SPAN 211. Introduction to Hispanic Linguistics**

This course is an introduction to basic concepts in Spanish linguistics and the methodology of its acquisition. It explores fundamental aspects of Spanish linguistics, including Spanish variation, acquisition and phonology, among other crucial topics. Prerequisite: SPAN 203 or SPAN 204 or permission of instructor. (3 sem. hrs.)

**SPAN 213. Spanish Translation**

This course helps students attain reading and listening proficiency, as well as translation skills of speech, texts and media in Spanish. There is a review of crucial grammar topics that can present difficulty to a translator of Spanish. Prerequisite: SPAN 123/124 or placement exam. (3 sem. hrs.)

**SPAN 285. Topics in Spanish and Latin American Studies**

In-depth study of a selected topic in Spanish and Latin American studies. Topics may include Spanish linguistics and topics in Hispanic literature and culture. May be repeated for credit with different topics.

**SPAN 290/390. Internship in Spanish**

Students wishing to investigate careers in which the Spanish language and culture play an important role may work out a project in consultation with the Spanish department. In order to be considered for this program the student should have an appropriate background in Spanish. Prerequisite: evidence of workplace-ready fluency in Spanish and permission of instructor. Graded S/U. Offered annually as needed. (2–4 sem. hrs.)

**SPAN 295/395. Tutorial in Spanish and Latin American Studies**

In-depth study of an area of special interest. Topic determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. May be repeated for credit. Offered as needed. (1 sem. hr.)

**SPAN 299/399. Independent Study in Spanish and Latin American Studies**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered as needed. (1–3 sem. hrs.)

**SPAN 305. Hispanic Culture and the Environment**

A study of the most pertinent cultural works (literary, film, etc.) of the Spanish speaking world that address discourses of the environment, sustainability, pollution and ecology, with a critical framework covering social, ideological, cultural and economic analysis. Prerequisite: SPAN 203 or SPAN 204; permission of instructor or placement exam. (3 sem. hrs.)

**SPAN 310. The Hero in Hispanic Culture and Film**

We discuss discourses of the "hero" in the Hispanic culture and problems that are inherent to the cultural "creation" of what a hero is and/or stands for. We'll study fictional or real-life heroes such as Don Quixote, Maradona and Zapata. Taught in Spanish. (3 sem. hrs.)

**SPAN 312. Modern Hispanic Popular Culture**

Course analyzes contemporary popular culture representations in the Hispanic world centered on television, radio, film, comic books and music, examining the influence it has on identity construction and the shaping of ideology and political struggles. Taught in Spanish. Prerequisite: SPAN 203 or SPAN 204, placement exam or permission of instructor. (3 sem. hrs.)

**SPAN 315. Hispanic Views on Gender and Feminism**

In-depth study of issues related to women's and gender studies in the Hispanic world, focusing on matriarchy, marianismo, machismo and the complex juxtaposition of cultural traditions and progressive movements that challenge the hierarchy of power. Taught in Spanish. Prerequisite: SPAN 203 or SPAN 204, placement exam or permission of instructor. Offered occasionally. (3 sem. hrs.)

**SPAN 316. Monsters in Hispanic Literature and Film**

In-depth study of the ever-presence of monsters in Hispanic literature and film. Groundbreaking texts in "monster theory" will serve as a foundation to understanding why we fear, yet are drawn to, horror and monsters. Taught in Spanish. Prerequisite: SPAN 203 or SPAN 204. (3 sem. hrs.)

**SPAN 317. Afro-Hispanic History, Literature and Culture**

Insight into the historical presence or absence of Africans in Spain and Latin America. Introduction to powerful figures that have shaped the structure of Hispanic identity such as José María y Morelos and San Martín de Porres. Taught in Spanish. Prerequisite: SPAN 203 or SPAN 204, placement Exam or permission of instructor. Offered as needed. (3 sem. hrs.)

**SPAN 319. Women and Society in 19th-Century Spain**

A close study of the role of women in Spain and the struggle against their position in a traditional patriarchal society; the birth of feminism; and women's fight toward emancipation. Includes readings from the most important novelists of the period: Pardo Bazán, Valera, Galdos and Clarín. Prerequisite: SPAN 205 or permission of instructor. Offered alternate years. (3 sem. hrs.)

**SPAN 370. Literature and Film: Two Ways of Telling a Story**

19th- and 20th-century Spanish literature: the realism of Galdós, the lyricism of Garcia Lorca and the socio-political commitment of Sender, Delibes and Cela. Emphasis on the impact of their works both as films and on filmmaking in contemporary Spain. Prerequisite: SPAN 205. Conducted in Spanish. Offered alternate years in the fall. (3 sem. hrs.)

**SPAN 385. Topics in Spanish and Latin American Studies**

In-depth study of a selected topic in Spanish and Latin American studies. Past topics have included: Renaissance and Baroque in Spanish and Latin American Letters and Societies; Magin Realism in Latin American Literature; and Latin American Masterpieces. May be repeated for credit with different topics. Past topics include Study of Developments in Dramatic Literary Expression in Latin America throughout the 20th century. Includes works by Villaurrutia, Carballido, Dragún, Diaz, Gambaro, Luis Rafael Sanchez and Fornes. Prerequisite: at least one 200-level Spanish course or permission of instructor. Offered as needed.

**SPAN 401. Spanish Senior Thesis I**

In this course, students will work closely with the Spanish faculty in choosing the right topic for their senior thesis. Moreover, students will conduct research on their topic as well as acquiring the critical foundation for their senior thesis. Offered annually during the fall semester. (2 sem. hrs.)

**SPAN 402. Spanish Senior Thesis II**

Selected topics chosen to meet student needs. Conducted in Spanish. Required of seniors majoring in Spanish. Prerequisite: Spanish major with senior standing or permission of instructor. Offered annually in the spring semester. Prerequisite: SPAN 401 (2 sem. hrs.)

## SPORT MANAGEMENT

**SMGT 101. Introduction to Sport Management**

Students will be given an overview of the topics related to sport management including: history and ethics in sport management, structure and policies of sport governance, professional relations, career opportunities and field experiences in sport organizations. Fall semester. (3 sem. hrs.)

**SMGT 210. Contemporary Sport**

The duality of sport in modern world is explored and evaluated. Issues include racial and gender equity, player behavior and violence, health and child welfare in youth sports, the National Collegiate Athletic

Association and its relation to amateurism, and professional sports and their impact on communities. Fall semester. (3 sem. hrs.)

### **SMGT 310. Organizational Leadership and Management in Sport**

Students will engage in the study of management responsibilities in sport organizations. Principles in leadership qualities, research, organizational goals, structure, conflict, change and decision making. Prerequisite: SMGT 101. Every spring semester (3 sem. hrs.)

### **SMGT 290/390. Internship in Sport Management**

Individually arranged participation in the work at an institution engaged in sport management, such as youth, scholastic, collegiate, minor and major professional sport organization. Prerequisite: SMGT 101 or SMGT 210 (2–4 sem. hrs.)

## **SUSTAINABILITY**

### **SUS 101. Introduction to Sustainability**

An overview of the concept of sustainability, its evolution and selected methodologies to quantify impacts. This course equips students to develop and evaluate solutions to national and local challenges by balancing factors that are environmental, economic and socio-cultural. Offered every fall semester. (3 sem. hrs.)

### **SUS 195. Tutorial: Critical Thinking about Sustainability**

Students will attend sustainability-related events and activities during the semester and write reflections on their experience. Students will be prepared to discuss those events they attended at weekly meetings of the tutorial group. Events eligible for tutorial credit will be announced in advance or pre-approved by the instructor for eligibility. Events will include, but not be limited to, Sustainability Perspectives series and Sustainable Business series talks, and other events and activities organized by the Center for Sustainability and the Environment, and other campus programs and groups. (2 sem. hrs.)

### **SUS 290. Internship in Sustainability**

Individually arranged participation in work of institutions devoted to sustainability. Prerequisite: Permission of instructor. (Graded: S/U)

### **SUS 390. Advanced Internship in Sustainability**

Individually arranged participation in work of institutions devoted to sustainability. Students will develop at a more advanced level the skills and techniques demanded from a previous sustainability internship. Prerequisite: SUS 290 and permission of instructor. (Graded: S/U)

### **SUS 401. Senior Project in Sustainability**

Students will complete research projects on a topic of their interest. Prerequisite: senior standing in sustainability major. (3 sem. hrs.)

## **THEATRE**

### **THEA 100. Introduction to Performing Arts**

Students gain practical knowledge of the entertainment business while deepening their theoretical understanding and aesthetic appreciation of fine craftsmanship in the disciplines of dance, music and theatre. Required field trips to live performances are followed by class discussion and writing assignments. Hands-on work in scene shop, box office, and other areas. Additional fee: \$80 for theatre tickets and travel. Offered annually fall semester. (4 sem. hrs.)

### **THEA 128. Acting One**

Exploration of acting through improvisation and foundation work with dialogue and text. An introduction for non-majors and those considering majoring in theatre and dance. Offered annually. (3 sem. hrs.)

### **THEA 130. Stagecraft**

A lecture and studio class to introduce students to terminology and processes of theatrical productions. Students will become familiar with the theatre while learning such skills as shop safety and tool operation, light board operation, and drafting. Students will be required to attend all department productions for in-class discussion. Offered alternate fall semesters. (3 sem. hrs.)

### **THEA 200. Acting Two**

Intermediate acting class. Approaches to playing characters, text analysis and ensemble work. Prerequisite: THDA major or permission of instructor. Offered alternate spring semesters. (3 sem. hrs.)

**THEA 201. Arts Management**

An interdisciplinary approach to arts management. Students will develop skills in marketing, public relations, development, and management of arts programming and organizations through the study of theory as well as through practical experience. Offered alternate spring semesters. (3 sem. hrs.)

**THEA 224. Production Practical**

This course will put the theoretical knowledge students have gained in technical theatre and performing arts courses into real use on real productions. They will be assigned a "job" in lighting, scenic, properties, costumes, or hair and makeup at a level consistent with skills, knowledge, and interest and will work in a semi-professional setting under professors, visiting artists, and other students. Prerequisite: permission of instructor. THEA 224 may be repeated for credit. Offered every semester. (1–3 sem. hrs.)

**THEA 325. Production Practical**

This course will put the theoretical knowledge students have gained in technical theatre and performing arts courses into real use on real productions. They will be assigned a "job" in lighting, scenic, properties, costumes, or hair and makeup at a level consistent with skills, knowledge, and interest and will work in a semi-professional setting under professors, visiting artists, and other students. Prerequisite: THEA 224 or permission of instructor. THEA 325 may be repeated for credit. Offered every semester. (1–3 sem. hrs.)

**THEA 255. Stage Management**

Study of the techniques and theories of production stage management, including leadership, production planning and scheduling, communication, production team coordination, employee contracts, unions, safety regulations, technical rehearsals, trouble shooting, mediation and calling a show. Class projects and assigned production positions required. Offered as needed. (3 sem. hrs.)

**THEA 278. Rehearsal and Performance/Theatre (Student)**

Acting, stage managing, or serving as assistant director for a student senior thesis project in theatre. Experiential learning: students develop performance skills, discipline, collaborative leadership ability, and an understanding of theatrical production. Prerequisite: permission of instructor. Graded: *S/U*. May be repeated for credit. Offered as needed. (1 sem. hr.)

**THEA 280. Rehearsal and Performance/Theatre**

Acting, stage managing, or serving as assistant director for faculty theatre production. Students rehearse 3–4 days per week for 6–9 weeks. Two to three performances and formal critique. Hands-on experience of the creative process that develops performance skills, discipline, collaborative leadership, and an understanding of theatrical production. Prerequisite: permission of instructor. May be repeated for credit. Offered annually. (1–3 sem. hrs.)

**THEA 315. Theatre History**

An historical exploration of theatre arts from the ancient Greeks to the present, studying the development of drama in selected periods against a background of cultural and social norms. The course focuses on comparison and analysis of texts and production elements. Prerequisite: THEA 100, any ARTH, HIST, or dramatic literature course, or permission of instructor. Offered alternate years. (3 sem. hrs.)

**THEA 320. Marginalized Voices: Women Playwrights**

Study of American identities as they are portrayed in contemporary performance. Students will read plays; view films; and attend performances selected from diverse ethnic, racial, and class perspectives. Issues include nontraditional casting, censorship, ideas of performance and identity. Prerequisite: THEA 100 or a course in dramatic literature; or permission of instructor. Offered alternate years. (3 sem. hrs.)

**THEA 330. Improvisational Theatre**

An exploration of improvisational theatre concentrating on the forms of comedic improvisation and Playback Theatre. Students will learn how to think on their feet, share the space with other actors, and explore the art of storytelling. Course work consists of group projects and ensemble acting. Some acting experience helpful, but not required. Prerequisite: THEA 128 or permission of instructor. May be repeated for credit. Offered alternate years. (1 sem. hr.)

**THEA 331. Acting Shakespeare**

Students will investigate "speaking the speech" of Shakespeare. In-depth script analysis, pronunciation, and rhythm will give basis for scene and monologue work. Students will research character and text, and will perform scenes as part of their course work. Some acting experience helpful, but not required. Prerequisite: THEA 128 or permission of instructor. May be repeated for credit. Offered alternate years. (1 sem. hr.)

**THEA 332. Acting Styles**

In this course, students will research and perform a variety of classical acting styles. Language, voice, and movement of these styles will be considered as students read plays from the various time periods. This course serves to expose the students to advanced styles of acting. Styles may include Greek tragedy, commedia dell'arte, Moliere, Chekhov, Ibsen and/or Shaw. Some acting experience helpful, but not required. Prerequisite: THEA 128 or permission of instructor. May be repeated for credit. Offered alternate years. (1 sem. hr.)

**THEA 333. Getting the Part: Monologues and Audition Techniques**

Students will learn the techniques of researching and finding monologues for audition material. Students will also learn about the process of auditioning and will gain knowledge of various methods for a successful audition. Monologues, headshots and resumes will be prepared and will be "audition ready" by the end of the course. Some acting experience helpful, but not required. Prerequisite: THEA 128 or permission of instructor. May be repeated for credit. Offered alternate years. (1 sem. hr.)

**THEA 338. Methods of Directing**

The study of theories, practices and techniques of stage direction, with special emphasis on the function of director as interpreter, organizer, teacher and visionary. Prerequisite: THEA 128, THEA 200, or permission of instructor. Offered alternate years. (3 sem. hrs.)

**THEA 349. Advanced Rehearsal and Performance/Theatre (Student)**

Acting, stage managing or service as assistant director for a student senior thesis project in theatre. Students further develop performance skills, discipline, collaborative leadership ability, and an understanding of theatrical production. Prerequisite: permission of instructor. Graded: S/U. May be repeated for credit. Offered as needed. (1 sem. hr.)

**THEA 350. Advanced Rehearsal and Performance/Theatre**

Acting, stage managing or service as assistant director for faculty theatre production at the advanced level. Opportunity to further develop performance and leadership skills. Students rehearse three to four days per week for six to nine weeks. Two to three performances and formal critique. Prerequisite: permission of instructor. May be repeated for credit. Offered annually. (1–3 sem. hrs.)

## THEATRE AND DANCE

**THDA 285/385. Topics in Theatre or Dance**

In-depth study of a selected topic in theatre or dance, such as Advanced Stagecraft or Devised Theatre. Past topics have included: Women Making Dance; Arts in Education; Dance Un/framed: Modernism and Postmodernism in American Dance; Costume Design; Scenic Design; and Lighting Design. Offered as needed. (2–4 sem. hrs.)

**THDA 290/390. Internships in Theatre or Dance**

Individually arranged participation in areas of arts management, dance, education or other related careers in the performing arts. Students may submit proposals. Graded: S/U. Offered every semester. (2–4 sem. hrs.)

**THDA 395. Tutorials in Theatre or Dance**

In-depth study of one topic agreed upon by students and instructor. Past topics have included Connecting Body and Earth; Movement for Athletes; and Advanced Directing. Prerequisite: permission of instructor. May be repeated for credit. Offered as needed. (1 sem. hr.)

**THDA 399. Independent Study in Theatre or Dance**

Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1–3 sem. hrs.)

**THDA 401. Senior Thesis Project in Theatre and Dance**

Each student completes a senior thesis project in theatre or dance, or an interdisciplinary combination. Topics must be approved by a faculty member in the discipline. Offered annually. (3 sem. hrs.)

**THDA 402. Senior Seminar: Building a Career in Theatre and Dance**

Seminar includes presentations and discussion as well as individual meetings with the faculty advisors. Offered annually spring semester. (1 sem. hr.)

## VISUAL ARTS

### **VART 300. Theoretical Frameworks in Visual Arts**

This course focuses on the philosophical questions related to the making and interpretation of visual art, introducing theories and frameworks about perception, visual languages, art institutions and identity. This course will prepare students to critically engage their capstone work. Prerequisite: visual arts major, junior standing or permission of instructor. (3 sem. hrs.)

### **VART 315. Professional Visual Arts Practices**

Students will learn practical skills for artists, art historians and curators. These include documenting, framing and installing work, creating online portfolios, leveraging social media, promotional writing, and applying for grants, exhibitions and graduate study. Prerequisite: visual arts major, junior standing or permission of instructor. Offered annually. (3 sem. hrs.)

### **VART 401. Senior Seminar in Visual Arts**

A critique seminar exploring concepts, processes and materials in the development of a focused, goal-oriented studio practice. Critiques of artwork and research encourage thorough investigation of students' intentions. Required coursework includes artwork, evidence or artistic research and thesis proposal. Lab fee: \$50. Prerequisite: senior visual arts major concentrating in studio or book arts. Offered annually in the fall semester. (4 sem. hrs.)

### **VART 402. Senior Project in Visual Arts**

Studio and Book Arts students execute their thesis proposals, culminating in a body of work or comparably rigorous project, assessed through critiques and refined thesis statement. Lab fee: \$50. Prerequisite: VART 401. Offered annually in the spring semester. (3 sem. hrs.)

### **VART 403. Senior Exhibition in the Visual Arts**

Students demonstrate advanced professional practice skills by organizing, planning and implementing their thesis exhibition. Students also complete an artist statement and an artist talk, during which they must articulate the major concepts, aims and contemporary context of their own work. Corequisite: VART 402. Offered annually in the spring semester. (1 sem. hr.)

## WELLS CORE COURSES

### **WLLS 100. Wellness, Engagement and Lifelong Learning for Success**

Students will be introduced in a holistic manner to the values, resources and support services of Wells College. Staff and peer leaders will help students develop healthy habits for living, learning and being a contributing member of the Wells community. Students will engage in hands-on and participatory experiences both inside and outside of the classroom which will help them to better understand themselves and the community. Offered annually in the fall semester. (3 sem. hrs.)

### **WLLS 105. College Writing**

This course covers the fundamentals of college writing. Intended for all first-year students at Wells, the course gives all students, regardless of major, a shared understanding of how to approach writing throughout their time at Wells and beyond. Offered during both fall and spring semesters. (3 sem. hrs.)

### **WLLS 110. Personal Financial Management**

This course teaches students the skills they need to make informed financial decisions in their life. Topics include transactional accounts, savings, loans, credit cards, mortgages and basic investments. Credit score management and living within one's means will be recurring themes. Offered annually to first-year, second-semester students through senior-year students. (3 sem. hrs.)

### **WLLS 121. Research Tools and Skills**

This course is designed to teach and strengthen lifelong research and information literacy skills by introducing students to the nature of information and research, and the role of the library in the research process. The method of instruction will be problem-based and require active and collaborative participation. Offered every semester. (1 sem. hr.)

### **WLLS 122. Learning Strategies**

This course will assist students on semester warning or academic probation in developing the academic skills needed to be successful in college. The course will focus on the importance of organization, time management and specific study strategies. (1 sem. hr.)

**WLLS 123. Student Development and Values**

This course is designed to enhance your effectiveness as a leader at Wells through reflection, exploration of values, understanding of the environment in which you operate and examining your philosophy of leadership—all within the context of your student organization. (1 sem. hr.)

**WLLS 124. Writing Lab**

Offers assistance to students who wish to improve their writing skills. Emphasis on the “paramedic method,” correcting common sentence-level errors and refining sentence structure provides students with a “tool kit” for creating meaningful academic argument across the curriculum. Offered annually. (1.5 sem. hrs.)

**WLLS 126. Internship, Career and Networking**

This seven-week course will prepare students for internships and, ultimately, career and graduate school efforts. The course will educate participants regarding concepts, attitudes and actions to attain internship goals and inspire ongoing career explorations, and expression and goal-attainment efforts. Grade: S/U. Offered every semester. (1 sem. hr.)

**WLLS 127. Career Preparation**

A semester-long, one-credit course that focuses on the development of professional workplace skills and job search techniques for students who plan to enter their career field upon graduation. Topics such as becoming a professional, marketing yourself, interviewing, and locating and securing a job will be covered. Students who are successful in this course will develop increased career confidence due to their enhanced workplace readiness skills. Prerequisite: junior standing or above. Offered every semester. (1 sem. hr.)

**WLLS 190. Experiential Learning and Reflection**

Individually-arranged field experiences allowing students to transcend boundaries by exploring their interests. Through reflection activities students assess their learning (knowledge, skills and beliefs) and personal development. The student’s academic advisor serves as the faculty sponsor. Prerequisite: first-year or sophomore standing. Graded S/U. May be repeated for credit. Offered annually or as needed. (1–3 sem. hrs.)

## WOMEN’S AND GENDER STUDIES

**WGS 148. Introduction to Women’s and Gender Studies**

An interdisciplinary examination of contemporary scholarship on women’s experience. The course will include analysis of women’s political, social and cultural experiences, using discussions, readings, films, student presentations and guest lectures. Offered every semester. (3 sem. hrs.)

**WGS 245. Body Politics**

Analysis of the ways women’s bodies are made the site of power struggles between competing interest groups in society, and the effect of this on individual women’s lives. Topics include body image, reproductive rights, violence, harassment, sexuality and self-defense. Prerequisite: WGS 148 or permission of instructor. Offered occasionally. (3 sem. hrs.)

**WGS 230. Women and Gender in Sport**

This course will use sport to understand gender relations in a society. It will focus on how sports shape cultural ideas of masculinity and femininity and examine assumptions about how professional and amateur athletes reflect and challenge social norms about gender, sexuality, race and class. This course will invite students to consider the intersection of politics, economics, society, culture and representation in sport and will map out and respond to the multifaceted issues that emerge when women enter the sports world. (3 sem. hrs.)

**WGS 260. Indigenous Women’s Experiences**

Utilizing an interdisciplinary approach, this course will provide an introduction to the lives and experiences of indigenous women from pre-Contact to contemporary times. By centering indigenous women’s experiences, theories and perspectives, dominant feminist frames of reference will be critically examined. Offered annually in the spring semester. (3 sem. hrs.)

**WGS 285/385. Topics in Women’s and Gender Studies**

In-depth study of a selected topic in women’s and gender studies. May be repeated for credit with different topics. Past topics have included: Women’s Utopian/Anti-Utopian Fiction; Transgenderism; Femininities/Masculinities. Offered occasionally. (3 sem. hrs.)

**WGS 290/390. Internship in Women's and Gender Studies**

Students will use their backgrounds in women's and gender studies to blend their academic expertise with work addressing women's concerns, such as with the Women's Hall of Fame, Planned Parenthood and N.O.W. Arrangements are the student's responsibility in consultation with the instructor(s) and the Office of Academic and Career Advising. Prerequisite: permission of instructor and successful completion of a course listed for the women's and gender studies major. Graded: S/U. May be repeated for credit. Offered every semester. (2–4 sem. hrs.)

**WGS 295/395. Tutorial in Women's and Gender Studies**

Analysis of the ways women's bodies are made the site of power struggles between competing In-depth study of an area of special interest. Topic to be determined jointly by a faculty member and student(s) in consultation. Meets weekly for one hour. Offered as needed. May be repeated for credit. (1 sem. hr.)

**WGS 301. Feminist Theory**

An intensive readings course for upper-level women's and gender studies majors and minors. A focus on debates and conflicts shaping and affecting the production of feminist knowledge will provide an introduction to feminist theorizing. Emphasis placed on writing as thinking and active discussion in class. Prerequisite: WGS 148, one other course from the women's and gender studies major, and junior standing or above or permission of instructor. Offered annually in the fall semester. (3 sem. hrs.)

**WGS 310. Feminist Methodologies: Intersectionalities**

Exploration of the complexities of race/class/gender/sexuality/ability/nation in the social construction of identities as they impact multiple inequalities. Examines methodologies and theoretical frameworks developed to understand how differing methods of classification and oppression operate as interactive and interdependent systems. Prerequisite: WGS 148, one other women's and gender studies course, and junior standing or above. Offered annually in the spring semester. (3 sem. hrs.)

**WGS 399. Independent Study/Project in Women's and Gender Studies**

Readings and papers, or a more innovative course comprised of, for example, readings and a creative project, or readings and work with an agency concerned with women's issues. Prerequisite: permission of instructor and approval. May be repeated for credit. Offered every semester. (1–3 sem. hrs.)

**WGS 401. Senior Project in Women's and Gender Studies**

Project of an interdisciplinary nature, informed by the student's disciplinary focus, concerning gender studies. Directed by a primary advisor (selected from women's and gender studies faculty) and a secondary advisor. Students will present their work in the Women's and Gender Studies Colloquium. Prerequisite: senior standing and women's and gender studies major. Offered annually in the spring semester. (4 sem. hrs.)

# FINANCIAL INFORMATION



## FINANCIAL INFORMATION

### **FULL-TIME STUDENTS**

Full-time students: those students who are registered for 12 or more semester hours per semester. Students on full-time financial aid must register for at least 12 semester hours each semester.

The following is a list of standard annual charges for attending Wells College in academic year 2018–2019:

#### **Tuition, Room & Board for first-year students, returning students, and new transfer students**

Tuition and Fees	\$40,700
Room and Board	\$14,100

Fees include but are not limited to:

- Health and wellness programs
- Student government and activities
- Technology

#### **Single Rooms**

Additional fee	\$1,000
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#### **Green House, Mandell House, Fairlane Apartments**

Room	\$11,100
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#### **Dining Dollars Express Card**

Each semester, \$100 will be added to the Express Card for students on the college meal plan. Additional money can be added to the Express card by visiting the online card management page.

Additional individual meal plans may be purchased from Campus Dining.

#### **Transportation**

The College provides regular van service to various locations as posted while classes are in session. Fees may be incurred for special transportation requests outside the regular schedule.

#### **Billing/Payments**

Entering students pay \$300 when notifying the Admissions Office of their intent to matriculate. This deposit will be applied to the charges of the succeeding semester, and is not refundable.

Returning students pay a re-enrollment deposit of \$200 in the spring, to be applied to the charges of the succeeding semester. This deposit is refundable only if the student gives to the dean of students written notification of her or his intention not to return; such notification must be made before June 15 and/or January 15.

**A Financial Responsibility Agreement form will be included with our tuition statement. This form must be completed and returned to the Business Office.**

The fall semester bill, due August 10, is sent to the student's parents at their home address or to the financially responsible party. The spring semester bill is due January 9.

If an approved payment plan is not used, all payments received after the above due dates will be subject to a \$250 late fee per semester.

The College Store and Cashier's Office accept MasterCard, Visa, DiscoverCard, and American Express.

#### **Monthly Payment Plans**

These plans are described in detail in the Financial Planning section.

#### **Student Billing Policy**

Students who have a prior semester outstanding balance will not be permitted to register for classes or return to campus, for the next semester, until their account balance is paid in full or satisfactory payment arrangements have been made. In the event that a student returns to campus without having made satisfactory payment arrangements, access to campus housing will be denied and meal plans will be suspended.

At the start of each semester, it is the responsibility of the student to make payment, or satisfactory payment arrangements, on any outstanding charges—including charges for that current semester—by no later than the fifth day of classes. If arrangements have not been made by that date, the student will be de-registered from classes and asked to leave campus; access to campus housing will be denied and meal plans will be suspended.

## **INTERNSHIPS, EXPERIENTIAL LEARNING AND INDEPENDENT STUDY**

### January Internships and Independent Study

For returning students, the per credit charges are incorporated into the full time tuition charges for the spring semester. For students who do not return for the spring semester, the per credit charge will be billed at the matriculated rate.

### Summer Internships and Independent Study

For returning students taking a summer internship to fulfill the experiential learning requirement, the per credit charges are incorporated into the full time tuition charges for the fall semester. **For students who do not return for the fall semester, the per credit charge will be billed at the matriculated rate. Any summer internship beyond the requirement stated above, as well as all independent study courses, will be charged the matriculated rate.** Non-matriculated students will be billed at the non-matriculated rate.

## **PART-TIME AND SPECIAL STUDENTS**

Part-time students: those students who are registered for fewer than 12 semester hours per semester.

Visiting Non-Matriculated students	\$800/semester hour
Credit for Prior Learning	\$800/semester hour
Credit by Examination	\$800/semester hour
Returning students and newly matriculated students and transfers	\$800/semester hour
Technology Fee	\$200/semester (for matriculated and non-matriculated students)

Special students: those students who are not matriculated.

High School Students	\$225/semester hour for first six credit hours
Full-time employees (1,000 hours or more per year)	\$10/semester hour
Full-time employee spouse/partner	\$40/semester hour
Part-time employees (fewer than 1,000 hours per year)	\$160/semester hour
Audit	\$40/semester hour
Students age 55 and older	ONE FREE audit per semester
Supervised Internships/Credit for Prior Learning/ Credit by Examination	\$600/semester hour

## **Payments**

The fall semester bill is due August 15 and the spring semester bill is due January 15.

### **OTHER CHARGES/FEEES**

Application Fee	\$50
Car Registration:	
Residential	\$40
Commuter	\$20
Parking Fines**	\$50–\$100
Lost room key	\$45 (includes core replacement)
Lost student ID card	\$10
Official Transcripts	\$10
Credentials File Fee for Alumnae/i	\$10
Off-Campus Study administrative fee for nonapproved programs*	\$150
Late payment of tuition, room and board	\$250 per semester
Returned check fee	\$50

\*Additional charges may be incurred for off-campus study programs.

\*\*Detailed parking fines are located on the Safety & Security page of The Globe.

**NOTE:** If damages occur to any rooms during the four years, the student will be responsible for any costs of repairs.

In addition to the standard charges listed above, students incur expenses for textbooks, travel, and incidentals. Most students require \$1,600-\$2,000 per year for these personal expenses.

### Refund Policy

No refunds of fees are made in the case of suspension or dismissal.

**If a student receives financial aid, tuition refunds will be calculated based on the Student Status Determination (below), the Withdrawal Date (below), the Wells College Tuition Refund schedule (below), and the Federal Title IV Financial Aid refund calculation (below).**

### Student Status Determination

A student's status (full-time, part-time, or less than part-time) will be determined at the end of the drop period. A student cannot change her or his status after this date. After the drop deadline a student can withdraw from a course(s) through the 9th week, but the student will retain the course(s) on her or his academic record with a grade of a "W".

### Withdrawal Date

A student's withdrawal date is 1) the date the student officially notifies the school of withdrawal by completing the Withdrawal Form and Exit Survey and returning it to the Dean of Students Office, or 2) if the student drops out without notifying the school, the last recorded date of class attendance by the student, or 3) if a withdrawal cannot be determined based on the above, the date will be established as the midpoint of the enrollment period.

### Wells College Tuition Refund

Students who drop or withdraw from the College are entitled to a refund of tuition in accordance with the following schedule:

Refund during:	
1st - 10th day	100%
11th - 17th day	70%
18th - 24th day	50%
25th - 30th day	25%
over 30 days	0%

The first day of the semester is considered the first day of class sessions, regardless of when a given course actually meets the first time.

### Financial Aid Refunds

Department of Education regulations govern the return of federal financial aid (Title IV funds) for students that withdraw from the College before the end of the semester. Title IV funds include all federal Direct Loans, Perkins Loans, Parent Loans, Federal Pell Grant, Federal SEOG Grants, and Federal TEACH Grants. Federal Work-Study is excluded. A student earns his or her Title IV financial aid based on the period of time he or she remains enrolled. During the first 60% of the enrollment period, a student earns funds in direct proportion to the length of time he or she remains enrolled. A student withdrawing before the 60% point in the semester may have Title IV financial aid reduced. A student who remains enrolled beyond the 60% point earns all aid for the period and has incurred full-tuition liability. *[Note: this policy is subject to change for the 2018–2019 year, given the resolution of pending federal legislation.]*

If you did not receive all of the funds that you earned, you may be due a post-withdrawal disbursement. If your post-withdrawal disbursement includes loan funds, the College must get your permission before it can disburse them. You may choose to decline some or all of the loan funds so that you don't incur additional debt. The College may use all or a portion of your post-withdrawal grant disbursements for tuition, fees, and room and board charges. The College needs your permission to use the post-withdrawal grant disbursement for all other school charges. If you do not give your permission, you will be offered the funds, however, it may be in your best interest to allow the College to keep these funds to reduce your debt to the school.

If you receive (or your parent on your behalf) excess Title IV program funds that must be returned, the College must return a portion of the excess equal to the lesser of (1) your institutional charges multiplied by the unearned percentage of your funds or (2) the entire amount of excess funds. When the institution has

determined that a portion of aid is unearned, the unearned aid to be returned is processed in the following order: Unsubsidized Direct Stafford Loan, Subsidized Direct Stafford Loan, Perkins Loan, Federal/Direct PLUS Loans, Federal Pell Grant, Federal SEOG Grant, and Federal TEACH Grant.

The requirements for Title IV program funds when you withdraw are separate from any refund policy that the College may have. Therefore, you may still owe funds to the College to cover unpaid institutional charges. The College may charge you for any Title IV program funds that we are required to return. College scholarships and grants are awarded on the basis of full-time enrollment for the full semester.

Students that withdraw early lose institutionally-funded scholarships and grants. The College reserves the right to consider a proration of institutional funds to assist with billing costs after the semester drop/add period has lapsed. The proration will be similar as that for Title IV funds. Please note that a student who withdraws during the first 10 class days of the enrollment period will not have earned institutional funds and all institutional funds (grants and scholarships) will be returned. The financial aid office and the billing office will be able to inform students of the financial consequences of withdrawing from the College before the semester is completed.

### **Room and Board and Fees**

After a student has registered and occupies a room, 50% of the room fee will be charged. In addition a per-diem board charge shall be calculated from the first day of occupancy until the 30th day. After the 30th day no refund of room and board will be granted.

There will be no refund of fees after the first day of classes.

If the student withdraws from the College prior to the first day of classes all tuition, room and board and fees will be refunded and any dispersed financial aid cancelled.

### **Transcript and Diploma Hold**

Academic transcripts and diplomas will not be issued for current or former students whose College debts are unpaid.

**Members of the graduating class are required to settle all financial commitments before graduation.**

## **FINANCIAL AID**

Private colleges are expensive, but financial assistance is available to students demonstrating need. Wells College, through its endowment, gifts, and grants, provides financial assistance to eligible students. To find out if you are eligible for financial aid YOU MUST APPLY. In no way does an application for financial assistance affect your admission to Wells College. Complete information on Wells College financial aid policies can be found at [global.wells.edu](http://global.wells.edu) under the "student tab," then click on the Financial Aid page.

### **New Student Application Process**

To apply for federal and institutional financial assistance a student and their family must file the Free Application for Federal Student Aid (FAFSA). Our federal school code is #002901. You can complete one of the two application processes:

- Complete the FAFSA electronically. Filing electronically shortens the time it takes schools to receive your information and lessens the chances for errors. The federal application web site is [fafsa.gov](http://fafsa.gov). You and, if dependent, one parent must each have an FSA ID that will serve as your signature. The FSA ID is your identifier to let you access personal information in various U.S. Department of Education systems. Your FSA ID serves as your electronic signature and should not be given to anyone. Students and parents cannot share the same FSA ID. If you do not have an FSA ID, you can print out the signature page of the FAFSA and mail it to the federal processor. The FSA ID can be completed at any time at [fsaid.ed.gov](http://fsaid.ed.gov).
- Complete the paper FAFSA. Forms are available by contacting the Central Processing Center at 1-800-433-3243. Allow 4-6 weeks to process a paper application.

### **Renewal FAFSA for Returning Students**

If you are a renewal-eligible student who had a valid application the year before, when you enter your personal identifiers on the FAFSA website the federal processor will ask you if you want to pre-fill some of the application with data from the prior year. If you choose this option you can review each pre-filled item, correct any that has changed, and provide new information as needed.

Each year most students will automatically receive a renewal reminder by email from the federal government if they provided an email address in the previous application year, or by regular mail if they did not. The reminder tells students that they can reapply for aid online. Wells College also will send a reminder to all students in January who applied for aid in the current year.

### **Transfer Students**

Transfer students are considered a special asset to the Wells College community. They enroll after completing at least one semester's work at another institution, joining the Wells community either in the fall or spring. Transfer students bring breadth and depth of experience that enriches and add value to the Wells experience. As with all students, transfers apply for federal, state, and institutional financial aid by completing the Free Application for Federal Student Aid (FAFSA) at [fafsa.gov](https://fafsa.gov). The federal school code for Wells is #002901. You and your parent, if appropriate, will need to obtain an FSA ID to serve as your electronic signature. You can apply for your FSA ID at [fsaid.ed.gov](https://fsaid.ed.gov).

### **International Students**

Wells College recognizes the special financial needs of many foreign students; however, we are unable to help all foreign students who enter the country on a student visa. The College does not offer any scholarships, grants, or loans that cover the full cost of attending. Students who do not meet US Citizenship status are not eligible for any need-based financial aid funds. The College does not have institutional grant or loan funds to award international students. The Admissions office at Wells College will determine if an international student is eligible for our Foreign Student Scholarship upon acceptance to the institution. Realizing that foreign students are only eligible to work on campus, they are eligible to apply for campus employment with the Office of Academic and Career Advising ([wells.edu/careers](https://wells.edu/careers)) upon their arrival to campus. Due to the limited number of available work opportunities Wells College cannot guarantee all students will be employed in their work-study programs.

### **Deadline Dates**

- Freshmen Applicants: Recommended filing date of December 1
- Returning Applicants: May 1 for the upcoming academic year (Verification completion date is June 1)
- Early Decision Applicants: December 15
- Fall Transfer Applicants: Recommend August 1
- Spring Transfer Applicants: Recommend December 15

Students can submit applications beyond these dates. Wells College reserves the right to penalize any returning student with a reduction in their institutional grant if they apply beyond the deadline date. The federal government requires that students must have a processed federal aid application with an official expected family contribution on file before the student ceases enrollment to receive financial aid funds.

### **Billing Cycle**

Bills are generated in early July for the fall semester and in early December for the spring semester. Payment or payment arrangements are due August 10 and January 9, respectively. To coincide with our two-semester enrollment and billing cycle, student financial aid is disbursed in two equal disbursements. Federal regulations do not allow the financial aid office to disburse federal financial aid funds to student billing accounts any earlier than 10 days prior to the beginning of each semester. Please note that financial aid will not be disbursed until the student has returned their signed financial aid award letter and completed all verification, loan counseling, and loan promissory note requirements.

### **State Grant Application**

New York State students initiate their TAP grant application when they file the FAFSA. If you did not successfully complete your TAP application at the time you filed your FAFSA you will receive in the mail a postcard from the state processing center outlining the application instructions. The TAP application can be completed online at [tapweb.org](https://tapweb.org). Our New York State TAP code is #1050.

Students from Vermont can have their state grants transferred to Wells College. Application procedures for these grants may vary so we recommend you contact your state processing center for application instructions.

### **Part-Time Students**

Wells College does not offer institutional merit or need-based aid to part-time students. If eligible under federal and state guidelines, a student may receive some forms of federal and state assistance.

### Independent Student Definition

Not living with your parents or not being claimed by them on tax forms, or your parents' ability or willingness to pay does not determine your independent status. You must meet one of the following conditions to be considered an independent student:

- You are 24 years old.
- You will be enrolled in a master's or doctorate program.
- You are married.
- You have children who will receive more than half of their support from you during the school calendar year.
- You have dependents (other than children or spouse) who live with you and receive more than half of their support from you now and during the school calendar year.
- You are currently serving on active duty in the U.S. Armed Forces for purposes other than training.
- You are a veteran of the U.S. Armed Services. You are considered a veteran if you have engaged in active duty or are a National Guard or Reserve enlistee who was called to active duty for purposes other than training, or were a cadet or midshipman at one of the service academies, and was released with an honorable discharge.
- From the time you turned 13, both your parents were deceased and you were in foster care or was a dependent or ward of the court. This condition applies even if you are no longer in foster care or a dependent or ward of the court.
- You had no living parent (biological or adoptive) since you turned age 13, even if you are now adopted.
- You are or you were an emancipated minor as determined by a court in your state of legal residence. You must be able to provide a copy of a court's decision that as of today you are an emancipated minor or are in legal guardianship or you were an emancipated minor or were in legal guardianship immediately before you reached the age of being an adult in your state. The court must be located in your state of legal residence at the time the court's decision was issued.
- You were at any time from July 1 of the previous year determined by your high school or school district homeless liaison that you were an unaccompanied youth who was homeless or were self-supporting and at risk of being homeless.
- You were at any time from July 1 of the previous year determined by a director of an emergency shelter or transitional housing program funded by the U.S. Department of Housing and Urban Development that you were an unaccompanied youth who was homeless or were at risk of being homeless.
- You were at any time from July 1 of the previous year determined by a director of a runaway or homeless youth basic center or transitional living program that you were an unaccompanied youth who was homeless or was self-supporting and risked being homeless.

"Homeless" means lacking fixed, regular and adequate housing, which includes living in shelters, motels, cars, or temporarily living with other people because you had nowhere else to go. "Unaccompanied" means you are not living in the physical custody of your parents or guardian. "Youth" means you are 21 years of age or younger or you are still enrolled in high school.

The application of each student applying for independent status will be considered individually. Wells College distinguishes between voluntary and involuntary independence for the purpose of institutional aid eligibility. If a student enters Wells College as a dependent student they will be considered dependent for all the years they attend unless an exception is granted by the director of financial aid in consultation with the dean of students.

### Eligible Noncitizen Students

The following students are considered eligible noncitizens and will be considered for financial assistance and should file a Free Application for Federal Student Aid:

- U.S. Nationals
- U.S. Permanent Residents with alien registration receipt cards (I-551 or I-551C)

- Permanent Residents of the Northern Mariana Islands
- Other eligible noncitizens with one of the following documents from the U.S. Immigration and Naturalization Service: Arrival-Departure Record (I-94) showing (a) "Refugee," or (b) "Asylum Granted," or (c) "Parolee," or (d) "Cuban-Haitian Entrant," or (e) the holder of a valid certification or eligibility letter from the Department of Health and Human Services showing a designation of "Victim of human trafficking."
- An official statement that shows you have been granted asylum in the U.S.

If you only have a Notice of Approval to Apply for Permanent Residence (I-171 or I-464), you are not eligible for federal student aid. If you are in the U.S. on certain visas, including F1 (or F2) student visa or a G series visa, you are not eligible for federal financial aid.

## **SATISFACTORY ACADEMIC PROGRESS FOR FEDERAL AND STATE FINANCIAL AID PROGRAMS**

### **Full-time and Part-time Students**

Wells College is required to have Standards of Satisfactory Academic Progress to comply with the federal and state regulations governing financial aid programs. These standards are in reference to financial aid programs. They are not the academic standards defined by the faculty of Wells College. This means that a student can be placed on academic probation and still receive financial aid as long as they are in compliance with the financial aid standards outlined below. These regulations are subject to change by both federal and state legislative action at any time.

Wells College's academic progress policy for financial aid includes a qualitative and quantitative measure in reviewing a student's academic progress. To ensure that a student is making both qualitative and quantitative progress throughout her or his course of study, Wells College will assess the student's progress at the end of each semester for New York State TAP requirements and at the end of each academic year for federal aid purposes.

Part-time students shall be evaluated by the same standards as full-time students from the date they first matriculate. However, part-time students need only to accrue courses at one-half the rate of full-time students.

The following regulations will apply when reviewing a student's program pursuit:

- A student must earn 120 credit hours to graduate.
- A student is eligible to receive institutional and federal financial assistance for 180 attempted credit hours in her or his pursuit of the Baccalaureate Degree. A student is eligible under federal guidelines to receive (12) semesters of a Pell Grant and in the New York State TAP program to receive (8) semesters of aid. However, a student has (7) years in which to complete her or his degree requirements, regardless of her or his eligibility for financial aid.
- Grades at Wells College are recorded in terms of the letter A, B, C, D, F with additional gradation for the letters A through D, indicated by plus or minus signs. The numerical equivalent of these letter grades for the computation of academic standing is as follows: A+ = 4.0, A = 4.0, A- = 3.7, B+ = 3.3, B = 3.0, B- = 2.7, C+ = 2.3, C = 2.0, C- = 1.7, D+ = 1.3, D = 1.0, D- = 0.7, and F = 0.
- Certain courses are graded as U (Unsatisfactory), S (Satisfactory), and Pass/Fail. These courses will not be used in the calculation of a student's grade point average with the exception of F and U = 0. However, all courses passed can be applied to the total number of credits successfully completed.

### **New York State Student Aid**

In order to maintain eligibility for New York State financial aid awards, students must meet minimum requirements for academic progress. These requirements are both qualitative (minimum GPA) and quantitative (minimum courses successfully completed). Eligibility is reviewed prior to the start of each semester using cumulative GPA and courses completed. Students must attempt a minimum number of credits and must have successfully earned a certain number of credits for each payment period. These

requirements are outlined in the chart on the following page.

Semester Payment	Minimum # of Credits Attempted	Total # Earned Credits	GPA
1	0	0	0
2	6	6	1.5
3	6	15	1.8
4	9	27	1.8
5	9	39	2.0
6	12	51	2.0
7	12	66	2.0
8	12	81	2.0
9	12	96	2.0
10	12	111	2.0

Note: All students who have received four semester payments of New York State TAP must have a 2.0 GPA and earn a minimum of 12 credits per semester. This includes students who may have received TAP payments at another college prior to enrolling at Wells College.

#### Repeated Courses

New York State regulations mandate that if a student repeats a course in which a passing grade acceptable to the institution has been received previously, the course cannot be included as part of the student's minimum full-time course load for New York State financial aid purposes. However, in the following instances repeated courses may count toward full-time or part-time study: (1) when a failed course is repeated and (2) when a grade received is passing at the College, but is not acceptable in a particular student's major field of study.

#### Incomplete Courses

A student with incomplete courses at the end of the semester must complete the coursework prior to the start of the next semester or may lose state financial aid eligibility. Incomplete courses will not be used to evaluate a student's academic progress as indicated in the chart above. If a student completes these courses during the next semester and regains satisfactory academic progress, state aid may be reinstated upon the student's written request.

#### Withdrawals and Leave of Absence

A grade of "W" does not indicate whether the student passed, failed, or completed all work in a course, and therefore cannot be counted toward meeting either qualitative or quantitative standards. Students who received New York State aid for a semester from which they withdraw or take a leave of absence and do not earn any academic credits are not considered to be meeting the state's pursuit of program requirements and will not be eligible to receive state aid the following semester. A student who withdraws from the College and is readmitted will be eligible for state financial aid provided they were in compliance at the end of their last semester of attendance.

#### Loss of State Financial Aid

Students who have not fulfilled the chart requirements listed above in a term when they received a state grant or scholarship are not eligible for an award for the next semester. The financial aid office will notify all students at the end of each semester who have been determined to be ineligible for state financial aid. All students have the right to appeal their loss of state financial aid by following the appeal process below.

#### Reinstatement of State Financial Aid

Students who have lost their state financial aid and have not been granted an appeal may restore aid eligibility in one of the following ways:

- Make up past academic deficiencies by completing one or more semesters of study without receiving any state grants or scholarships.
- Students who lose state aid for not maintaining a cumulative GPA of 2.0 or better after four semester payments of state aid cannot regain eligibility for state aid by sitting out two semesters. Students who have received four semesters of payment can only regain eligibility by acquiring a GPA of 2.0.
- Students who lose state aid because they did not attempt the minimum number of credits required and choose to attend the following semester without state aid, will regain their eligibility if they complete the number of credits that were deficient.
- Be readmitted to the College after an absence of at least one year (two semesters). This is not allowed if a student has a cumulative GPA of less than 2.0 after attempting 60 credit hours.

- Transfer to another institution and earn credits that could be transferred back to Wells.

#### Appeal Process for State Aid

The satisfactory academic progress requirements for state aid may be waived for undue hardship based on: 1) the death of a relative or student; 2) the personal injury or illness of the student; or 3) other extenuating circumstances. The appeal is intended only to accommodate extraordinary or unusual cases directly related to academic performance and the student's failure to achieve the requirements. The appeal process does not exist to provide one additional term of eligibility for all students who fail to meet pursuit or progress requirements. It will not be granted automatically. Students will be asked in their appeal to explain the reasons the student failed to meet satisfactory academic progress. Appeals will not be automatically granted because a student accepts their learning contract. The appeal will be granted only when there is reasonable expectation that the student will meet future satisfactory academic progress requirements.

Please note that:

- A student may be granted only one waiver of New York State requirements for failing to meet the minimum requirements; whether the number of courses or the GPA requirement, before the fifth payment.
- A waiver of New York State requirements may be granted only once for failure to accrue the required number of courses in a student's undergraduate career.
- A student may be granted more than one waiver of New York State requirements for failing to meet the GPA requirement of 2.0 or higher after the fourth semester.
- A student's failure to achieve "good academic standing" shall be identified by the director of financial aid. The student will be notified before the beginning of the student's next semester if they have not met the standards of financial aid academic progress and are ineligible for financial aid funds. Notification will also be sent to the provost, dean of students, and registrar.

All students have the right to request an appeal of the determination that they are not making satisfactory academic progress. The student should request an appeal in writing within the time frame outlined by the director of financial aid. Students should be specific in outlining those mitigating circumstances and provide any documentation which they would like taken into consideration upon their reviews. The provost, dean of students, director of financial aid, and registrar and director of academic advising and success shall review the student's appeal. Notification of their decision and any specific requirements that must be fulfilled will be sent to the student in writing. Copies of the student's appeal letter and decision will be retained in the student's permanent financial aid file.

#### **Federal Student Aid**

Students must meet minimum requirements for satisfactory academic progress in order to maintain eligibility for federal financial aid awards as well. These requirements are also both qualitative (GPA) and quantitative (maximum time for program completion). The financial aid office will review a student's satisfactory academic progress annually. The chart below outlines the minimum number of credits a student must earn and the minimum cumulative GPA required for each payment period.

Academic Year	Total AY Earned	Total Cumulative Credits Earned	Cumulative GPA
AY1	21	21	2.0
AY2	21	42	2.0
AY3	21	63	2.0
AY4	21	84	2.0
AY5	21	105	2.0

#### Repeated Courses

For students who repeat a course, only the most recent attempt will be calculated into the cumulative GPA average. Students can only receive financial aid funds for one repeated attempt to achieve a passing grade or an improved grade in a course.

#### Incomplete Courses

A student with incomplete courses at the end of the academic year must complete the coursework prior to the start of the next academic year. If a student completes these courses during the next academic year and

regains satisfactory academic progress, federal aid may be reinstated upon the student's written request.

#### Withdrawals and Leave of Absence

When evaluating a student's annual satisfactory progress, grades of "W" do not constitute grades which indicate that a student passed, failed, or completed all work in a course and cannot be counted toward meeting program pursuit requirements. If a student withdraws from all courses during a semester or takes a leave of absence and does not complete the semester for which they received federal aid, they will most likely not meet satisfactory academic progress and will not be eligible for federal aid.

#### Loss of Federal Aid Eligibility

Students who do not meet the standards listed above forfeit eligibility for federal financial aid awards for each subsequent academic year until academic progress standards are met. The financial aid office, at the end of each academic year, will notify all students who have been determined to be ineligible for federal financial aid. All students have the right to appeal their loss of federal financial. The student should request an appeal in writing within the time frame outlined by the director of financial aid.

The appeal process does not exist to provide one additional term of eligibility for all students who fail to meet progress requirements. It will not be granted automatically. Students will be asked in their appeal to 1) explain the reasons the student failed to meet satisfactory academic progress and 2) describe what actions the student plans on taking to ensure their academic success in the next semester. Appeals will not be automatically granted because a student accepts their learning contract. The appeal will be granted only when there is reasonable expectation that the student will meet future satisfactory academic progress requirements. If a student is appealing because of extenuating circumstances such as a death in the family or illness, they may not be required to sign a learning contract. However, they should submit supporting documentation to support these reasons.

The financial aid director will notify all students who have not met their satisfactory academic progress standards and are ineligible for financial aid funds by the beginning of the student's next semester. Notification will also be sent to the provost, dean of students, director of academic and career advising.

The student should request an appeal in writing within the time frame outlined by the director of financial aid. The Financial Aid Appeals Committee will review the student's letter of appeal and all supporting documentation. The provost, registrar and director of academic and career advising, dean of students, and director of financial aid shall review the student's appeal. Notification of their decision and any specific requirements that must be fulfilled will be sent to the student in writing. Copies of the student's appeal letter and decision will be retained in the student's permanent financial aid file.

#### Financial Aid Probation

If a student is granted a financial aid appeal, that student is placed on financial aid probation. They will be given an academic action plan with specific requirements that the committee feels would improve the student's academic status. Also, the committee will provide a new, revised schedule that outlines the student's requirement for cumulative number of credits earned and cumulative GPA that is to be achieved in a specific time period.

Students who fail the satisfactory progress check after the end of the probationary payment period may only continue to receive aid if the Appeals Committee grants a second appeal with a revised academic plan. Students will have an opportunity to present any documentation that explains reasons why they were unable to meet their original revised academic plan.

#### Reinstatement of Federal Financial Aid When Appeals Are Denied

Students who have lost their federal financial aid and have not been granted an appeal may restore their aid eligibility in one of the following ways:

- Attend Wells College without financial aid. The financial aid office will review the student's academic progress every semester and once the student has made up past academic deficiencies they can have their aid reinstated. Financial aid cannot be retroactively reinstated for semesters the student was not achieving satisfactory academic progress.
- If failed to achieve satisfactory academic progress based on earning the required number of credits, a student could attend another institution and earn credits that could be transferred back to Wells.

#### **Transfer Student Eligibility**

Transfer students will be considered using slightly different procedures than that of students in continuing status. For example, when a student transfers into Wells College from another institution, Wells College will

evaluate the student's academic record and determine a certain number of credits it is willing to accept in transfer from the student's previous study. That assessment and the number of payments received by the student will be used to place the student at an appropriate point in the institution's schedule of academic progress. Placement for state aid purposes may be either in accord with the number of payments received or number of credits earned – whichever is more beneficial to the student. The point at which the transfer student is placed, and the number of payments she or he has received, may not line up. Students can receive TAP for a maximum of 8 semesters and Federal Pell Grant and Direct Loan funds for 12 semesters, regardless of the number of semesters needed to complete their degree requirements at Wells College. Placement for federal aid purposes is in accord with the number of credits attempted at previous institutions. Students can only receive federal aid for a maximum of 180 attempted credit hours. Students who have received four or more semesters of TAP or students who have earned junior standing must maintain a cumulative GPA of 2.0 or greater.

## **STUDENT CONSUMER RIGHTS AND RESPONSIBILITIES**

### **Student Rights**

You have the right to ask a school:

- the names of its accrediting organizations;
- about its programs, its instructional, laboratory, and other physical facilities, and its faculty;
- what the cost of attending is, and what its policies are on refunds to students who drop out;
- what financial assistance is available, including information on all federal, state, local, private, and institutional financial aid programs;
- what the procedures and deadlines are for submitting applications for each available financial aid program;
- what criteria it uses to select financial aid recipients;
- how it determines your financial need (this process includes how costs for tuition and fees, room and board, travel, books and supplies, personal and miscellaneous expenses, etc. are considered in your budget, and what resources — such as parental contribution, other financial aid, your assets, etc. — are considered in the calculation of your need);
- how much of your financial need, as determined by the institution, has been met;
- how and when you will be paid;
- to explain each type and amount of assistance in your financial aid package;
- to choose your own lender for private education loans;
- if you have a loan, to know what the interest rate is, the total amount that must be paid, the length of time you have to repay your loan, when you must start paying it back, and any cancellation and deferment provisions that apply ;
- if you are offered a work-study job, to know what kind of job it is, what hours you must work, what your duties will be, what the rate of pay will be, and how and when you will be paid;
- to reconsider your aid package, if you believe a mistake has been made;
- how the school determines whether you are making satisfactory progress, and what happens if you are not;
- what special facilities and services are available to the handicapped;
- a description of the data compiled by Campus Security.

### **Student Responsibilities**

It is your responsibility to:

- review and consider all information about a school's program before you enroll;
- pay special attention to your application for student financial aid, complete it accurately, and submit it on time to the right place (errors can delay your receiving financial aid);
- provide all additional documentation, verification, corrections, and/or new information requested by either the financial aid office or the agency to which you submitted your application;
- read and understand all forms that you are asked to sign and keep copies of them;

- accept responsibility for the promissory note and all other agreements that you sign;
- notify the loan service of changes in your name, address, or school status, if you have a loan;
- perform in a satisfactory manner the work that is agreed upon in accepting a College work-study job;
- know and comply with the deadlines for application or reapplication for aid;
- know and comply with your school's refund procedures;
- meet satisfactory academic progress requirements.

To receive federal, state, and institutional financial assistance, you must be enrolled as a full-time student. Full-time status according to the regulations governing most financial aid programs is 12 credit hours. Intercession credits can be applied to the spring semester.

## **FINANCIAL PLANNING**

There are several services available to families that will help manage a student's educational costs.

### **Wells College Monthly Payment Plan**

Wells College, recognizing that most parents finance at least a portion of their child's college education out of current earnings and that the traditional two-installment method does not meet the needs of all parents, offers a monthly payment plan. Under the payment plan, parents and students can pay the semester's tuition and room and board charges in four equal payments for a charge of \$50 per semester. For the first semester, payments are due in August, September, October, and November, while for the second semester, payments are due in January, February, March, and April.

### **Parent Loans for Undergraduate Students (PLUS)**

Parent loans (PLUS loans) are available to parents of financially dependent undergraduate students through the federal government. A parent may borrow up to the cost of education minus other aid, per dependent. The Direct PLUS Loan interest rate for 2018–2019 is 7.6%. Repayment of the amount borrowed plus interest begins two months after the loan is disbursed. The minimum monthly payment is \$50 and repayment must be completed within 10 years.

### **MasterCard, VISA, DiscoverCard, and American Express**

MasterCard, VISA, DiscoverCard, and American Express will be accepted for payment of College Store and tuition charges. Credit card payments for tuition are processed online only. Please see the Globe at [global.wells.edu/ICS/Students](http://global.wells.edu/ICS/Students), then click on "Pay My Bill" for more information.

# FACULTY ORGANIZATION



## FACULTY ORGANIZATION

### THE DIVISIONAL STRUCTURE

The faculty are organized into three divisions: arts and humanities, natural and mathematical sciences, and social sciences.

#### **DIVISION OF THE ARTS AND HUMANITIES**

*Michael Groth, Division Chair*

The Division of the Arts and Humanities is the heart of the liberal arts and the focal point of artistic activity on campus. Areas such as film and media studies, visual communication, book arts, and museum studies belong to this division, as do more the familiar courses in art, art history, English, philosophy, history, creative writing, theatre, dance, religion and modern languages. Through studies in these areas, students have many opportunities to engage with the great works of the western tradition as well as explore the rich diversity of human expression in its many forms across the globe. Courses offered by the Division of the Arts and Humanities cultivate knowledge, creative skills and ways of thinking that can provide a basis for understanding and success in other areas of the curriculum. This division also sponsors performances and exhibitions by students, faculty and outside artists and writers.

#### **DIVISION OF NATURAL AND MATHEMATICAL SCIENCES**

*Scott Heinekamp, Division Chair*

The Division of Natural and Mathematical Sciences includes major programs in biological and chemical sciences, environmental science, health sciences, and mathematical and physical sciences. Logical and analytical thought is the basis for study in the mathematical and natural sciences. In the natural sciences the steps of observation, conjecture, experimentation and evaluation lead to the development of new scientific theories or laws. In mathematics there is an analogous thought process, but experimentation and evaluation are replaced by logical proof from axioms.

The studies of mathematics and the sciences are intertwined, for historically most mathematical developments have been motivated by the need for mathematical laws in the establishment of scientific theories. Conversely, mathematics provides the means for the sciences to formulate theories precisely and measure theories' predictions against the natural world. Thus students in all these fields learn explanations of natural phenomena and mathematical concepts, develop the tools needed to work with them, and learn techniques to enable them to establish results of their own.

#### **DIVISION OF SOCIAL SCIENCES**

*Deborah Gagnon, Division Chair*

The role of the social sciences in a liberal education is to contribute to an understanding of society through the study of human institutions and behavior. To this end, the division offers course work in anthropology, business, communication studies, economics, education, First Nations and Indigenous studies, international studies, political science, psychology, sociology, and women's and gender studies.

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**To view the most recent version of  
the course catalog online, visit:**

**[wells.edu/catalog](https://wells.edu/catalog)**

A photograph of a red brick building, likely a college building, with several windows. A tree with green leaves is in the foreground on the left, and a large pink flower is in the bottom right corner. The building has a white awning over a large window.

Wells College

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