

Programs of Instruction

Bachelor of Arts

Archaeology, B.A.

Advisors: John Gruber-Miller

Archaeology is a multi-disciplinary field that emphasizes the interpretation of material remains in order to understand a culture's history, demographics, religions, economic exchange, political systems, and social values. Archaeologists can specialize in traditionally scientific areas, such as floral and faunal remains and forensic archaeology (biology), the chemical composition of ceramics or preservation of delicate paintings (chemistry), or the petrology and geomorphology of lithics and the ability to survey and map sites (geology). Archaeologists use computer software to record and catalog data and to map, and sometimes reconstruct, ancient sites. Historical archaeologists must be able to read coins, inscriptions, and the preserved writings of a culture (languages). Finally, archaeologists need to be able to understand human interaction (anthropology) suggested by the art and artifacts of a culture (art history). In short, to be a good archaeologist, one needs a broad liberal arts education with emphases in one or more specific areas. Students may develop an individualized major in Archaeology by following the recommendations given below and filing with the Registrar a Contract for an Individualized Major. See Declaration of Degree Candidacy, Majors, and Minors, item 3c. For students intending to attend graduate school in Archaeology, it is also highly recommended to have an additional major or minor in a related discipline (e.g., Anthropology, Art History, Classical Studies, Geology, History, Religion, or Spanish).

Archaeology faculty members: Rhawn Denniston, John Gruber-Miller, Michael Mosier, Christina Penn-Goetsch, Philip Venticinque,

Requirements

A minimum of eleven course credits, at least five of which must be at the 300/400 level, from the following categories:

1. Core Courses:

- ANT 101 - Cultural Anthropology (1)
- ANT 110 - Archaeology (1)
- Two courses in biology, chemistry, or geology
- Language through the 205 level

2. Courses Defined by Time and Place:

Choose option 1 or 2 from each of the following two sections:

a. Time:

i. Pre-historic:

- ANT 105 - Human Origins (1)
- ART 223 - Utilitarian Ceramics (1) **OR** At least one additional course in science [e.g., CHE 202 - Analytical Chemistry (1); GEO 122 - Climate Change (1), GEO 212 - Mineralogy (1), GEO 320 - Hydrogeology (1), GEO 324 - Sedimentology and Stratigraphy (1)].

ii. Historical:

At least one 300-level course in the language of the region you are interested in studying.

b. Place:

i. Old World:

- Three courses from art history, classical archaeology, or history [e.g., ART 251 - Greek and Hellenistic Art (1), ART 252 - Etruscan and Roman Art (1), ART 263 - The Arts of West and Central Africa (1); CLA 381 - Greek Archaeology (1), CLA 382 - Roman Archaeology (1)].

ii. New World:

- Three courses from anthropology, art history, Latin American Studies, or religion [e.g., ANT 206 - West Indian People and Culture (1); ART 265: Arts of the African Diaspora; ART 266 - American Indian Art: Gender and the Marketplace (1); HIS 141 - Latin American History (1); SPA 385 - Latin American Culture and Civilization (1)].

3. Two Additional Courses related to archaeology approved by the student's archaeology advisors.

4. Capstone Experience:

- ARC 485 - Applied Archaeology or Archaeology Capstone (1)

Highly Recommended:

Other relevant courses may count toward the major with the permission of the archaeology advisors.

- CSC 222 - Geographic Information Systems (1)
- ANT 311 - Introduction to Archaeological Field Methods (1) **AND/OR** some fieldwork or museum experience.

Art History, B.A.

Susannah Biondo-Gemmell (chair), Christina Penn-Goetsch, Anthony Plaut

The offerings in the Department of Art and Art History are designed for the major who is involved in the production of art and the study of art history, the major intending to teach art, and the non-major who wishes to develop insight into the fields of studio art and art history.

Requirements

A minimum of 11 course credits in art and art history:

Three Course Credits in Studio Art [SA]

Five Course Credits in Art History [AH]

Art History Seminar, Tutorial, Senior Thesis

To be taken in the senior year

- ART 484 - Art History Seminar (1)
- ART 392 - Advanced Art History Tutorial (1)
- ART 487 - Senior Thesis (1)

Note:

Four of the above 11 courses, including ART 392, ART 484, and ART 487, must be at or above the 300 level. ART 371 may not be counted toward the major. Transfer students must take a minimum of six courses, including ART 484 and ART 487, from the Cornell College Department of Art and Art History.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach art should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Biochemistry and Molecular Biology, B.A.

Program Advisors: Jeffrey Cardon and Craig Tepper

Faculty: Jeffrey Cardon, Barbara Christie-Pope, Marty Condon, Charles Liberko, S. Andy McCollum, Tammy Mildenstein, Brian Nowak-Thompson, Jai Shanata, Cynthia Strong, Craig Teague, Craig Tepper

This interdisciplinary major is designed to prepare students for graduate school or a technical career in biochemistry/molecular biology. It is also a suitable preparation for the health professions. The curriculum is drawn from the Departments of Biology and Chemistry, with emphasis on cellular biology, genetics, and biochemistry, and laboratory techniques in these areas.

Requirements

A minimum of 13 course credits (12 courses if CHE 161 is taken) in Biology and Chemistry, which include these 12 required courses:

- BIO 141 - Foundations: Cellular Biology (1)
- BIO 142 - Foundations: Organismal Biology (1)
- BIO 205 - Cell and Molecular Biology (1)
- BIO 315 - Genetics (1)
- CHE 121 - Chemical Principles I (1) **AND** CHE 122 - Chemical Principles II (1), **OR** CHE 161 - Accelerated General Chemistry (1)
- CHE 202 - Analytical Chemistry (1)
- CHE 225 - Organic Chemistry I (1)
- CHE 326 - Organic Chemistry II (1)
- CHE 327 - Organic Chemistry Laboratory (1)
- CHE 334 - Biochemistry (1)
- BMB 485 - Problems (1)

One Course Selected From

- BIO 305 - Advanced Molecular Biology (1)
- BIO 313 - Developmental Biology (1)
- BIO 326 - Microbiology (1)
- BIO 327 - Immunology (1)
- BIO 328 - Neurobiology (1)
- BIO 335 - Chemical Ecology (1)
- CHE 323 - Physical Chemistry I (1)

Recommended Courses

- BIO 211 - Evolution (1)
- MAT 121 - Calculus of a Single Variable (1)
- MAT 122 - Calculus of Several Variables (1)
- PHY 141 - Introductory Physics I (1) -PHY 142 - Introductory Physics II (1) **OR** PHY 161 - General Physics I (1)-PHY 162 - General Physics II (1)
- PHY 263 - Laboratory Physics (1)

Note:

Biochemistry/Molecular Biology majors desiring to minor in Chemistry must complete at least two appropriate courses in Chemistry beyond those counted for the Biochemistry/Molecular Biology major. Biochemistry/Molecular Biology majors desiring to minor in Biology must do so by completing BIO 211, BIO 321, and an upper-level elective course chosen from the plant or animal grouping. (See Declaration of Degree Candidacy, Majors, and Minors.)

Biology, B.A.

Jeffrey Cardon, Barbara Christie-Pope, Marty Condon, S. Andy McCollum, Tammy Mildenstein, Brian Nowak-Thompson (chair), Craig Tepper

Requirements

A minimum of 13 courses (12 courses if CHE 161 is taken), including at least 10 courses in Biology, eight of which must be at or above the 200 level; also CHE 121-CHE 122 (or CHE 161), and CHE 225 (Chemical Principles I, II, or Accelerated General Chemistry, and Organic Chemistry I).

The courses in Biology must include the seven core courses listed below:

Core Courses

- BIO 141 - Foundations: Cellular Biology (1)
- BIO 142 - Foundations: Organismal Biology (1)
- BIO 205 - Cell and Molecular Biology (1)
- BIO 211 - Evolution (1)
- BIO 315 - Genetics (1)
- BIO 321 - Ecology (Wilderness Field Station) (1)

Capstone Experience: (not required for students also majoring in Education)

- BIO 485 - Biological Problems (1) **OR** BMB 485 - Problems (1)

And at least one course from each of the other three groupings:

Cell Grouping

And at least one course from each of the other three groupings:

- BIO 305 - Advanced Molecular Biology (1)
- BIO 313 - Developmental Biology (1)
- BIO 326 - Microbiology (1)
- BIO 327 - Immunology (1)
- BIO 328 - Neurobiology (1)
- BIO 335 - Chemical Ecology (1)

Plant Grouping

- BIO 209 - Plant Morphology (1)
- BIO 332 - Plant Systematics (1)

Animal Grouping

- BIO 254 - Ornithology (1)
- BIO 232 - Case Studies in Wildlife Conservation (1)
- BIO 308 - Invertebrate Zoology (1)
- BIO 312 - Vertebrate Zoology (1)
- BIO 334 - Animal Behavior (1)
- BIO 337 - Entomology (1)

Note:

Appropriate supporting work in chemistry, physics, and mathematics is also strongly recommended.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach science should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Concentration:

Students should consult with the Department concerning programs leading to graduate work in zoology, botany, or the health sciences; to high school teaching; to admission to schools of medicine and dentistry; and to various careers in the biological sciences.

Note:

Students intending to take advanced work in Biology and all preprofessional students (medicine, dentistry, etc.) should take BIO 141 and BIO 142.

Business - Business/Actuarial Science Track, B.A.

Requirements

A minimum of 14 course credits to include the following:

- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- ECB 151 - Financial Accounting (1)
- ECB 210 - Introduction to Financial Management (1)
- ECB 243 - Investments (1)
- ECB 301 - Intermediate Microeconomics (1) **OR** ECB 302 - Intermediate Macroeconomics (1)
- ECB 340 - Econometrics (1)
- ECB 352 - Financial Management Seminar (1)
- CSC 151 - Discrete Mathematics for Computer Science (1)
- MAT 122 - Calculus of Several Variables (1)
- MAT 221 - Linear Algebra (1)

- STA 348 - Mathematical Statistics II (1)

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Concentrations:

A combination of courses from several disciplines may be used as a basis for advanced training in law, government service, and a number of other professional programs. The Department will assist students in selecting interdisciplinary programs for special purposes, e.g., with the other social sciences and natural sciences for environmental studies, and with history and politics for international studies.

Quantitative Skills:

For basic skills, majors should take CSC 131 - The Beauty and Joy of Computing (1) and MAT 121 - Calculus of a Single Variable (1). For strong graduate school preparation in either economics or business, students should take CSC 140 - Foundations of Computer Science (1), MAT 121 - Calculus of a Single Variable (1), MAT 122 - Calculus of Several Variables (1), MAT 221 - Linear Algebra (1), and possibly STA 347 and STA 348 - Mathematical Statistics II (1).

Business - Business/Analytics Track, B.A.

Business Major:

The Business major offers students the opportunity to choose one of three tracks: Business/Finance, Business/Analytics, and Business/Actuarial Science. Students who choose the Business major must complete one of the tracks as defined below. Students may not double major in Business and in Economics & Business.

Requirements

A minimum of 12 course credits, to include the following required courses:

- CSC 230 - Database Technologies for Analytics (1)
- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- ECB 121 - Data Visualization (1)
- ECB 151 - Financial Accounting (1)
- ECB 212 - Social Networks (1)
- ECB 353 - Business Analytics I (1)
- ECB 354 - Business Analytics II (1)
- ECB 358 - Analytics Case Seminar (1)
- ECB 300-level elective or Internship
- STA 201 - Statistical Methods I (1) **OR** STA 348 - Mathematical Statistics II (1)
- STA 202 - Statistical Methods II (1)

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Concentrations:

A combination of courses from several disciplines may be used as a basis for advanced training in law, government service, and a number of other professional programs. The Department will assist students in selecting interdisciplinary programs for special purposes, e.g., with the other social sciences and natural sciences for environmental studies, and with history and politics for international studies.

Quantitative Skills:

For basic skills, majors should take CSC 131 - The Beauty and Joy of Computing (1) and MAT 121 - Calculus of a Single Variable (1). For strong graduate school preparation in either economics or business, students should take CSC 140 - Foundations of Computer Science (1), MAT 121 - Calculus of a Single Variable (1), MAT 122 - Calculus of Several Variables (1), MAT 221 - Linear Algebra (1), and possibly STA 347 and STA 348 - Mathematical Statistics II (1).

Business - Business/Finance Track, B.A.*

Business Major:

The Business major offers students the opportunity to choose one of three tracks: Business/Finance, Business/Analytics, and Business/Actuarial Science. Students who choose the Business major must complete one of the tracks as defined below. Students may not double major in Business and in Economics & Business.

Requirements

A minimum of 12 course credits, to include the following required courses:

- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- ECB 151 - Financial Accounting (1)
- ECB 210 - Introduction to Financial Management (1)
- ECB 225 - Money and Banking (1)
- ECB 243 - Investments (1)
- ECB 253 - Managerial Accounting (1)
- ECB 302 - Intermediate Macroeconomics (1)
- ECB 359 - Asset Valuation (1)
- ECB 352 - Financial Management Seminar (1)
- ECB 300-level elective or Internship
- STA 201 - Statistical Methods I (1) **OR** STA 347 - Mathematical Statistics I (1)

*Pending approval by the Higher Learning Committee

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Concentrations:

A combination of courses from several disciplines may be used as a basis for advanced training in law, government service, and a number of other professional programs. The Department will assist students in selecting interdisciplinary programs for special purposes, e.g., with the other social sciences and natural sciences for environmental studies, and with history and politics for international studies.

Quantitative Skills:

For basic skills, majors should take CSC 131 - The Beauty and Joy of Computing (1) and MAT 121 - Calculus of a Single Variable (1). For strong graduate school preparation in either economics or business, students should take CSC 140 - Foundations of Computer Science (1), MAT 121 - Calculus of a Single Variable (1), MAT 122 - Calculus of Several Variables (1), MAT 221 - Linear Algebra (1), and possibly STA 347 and STA 348 - Mathematical Statistics II (1).

Chemistry, B.A.

Jeffrey Cardon, Charles Liberko, Brian Nowak-Thompson, Jai Shanata, Cynthia Strong, Craig Teague (chair)

The Department of Chemistry has been approved by the American Chemical Society (ACS) for the professional training of chemists at the undergraduate level.

Requirements

A minimum of 10 course credits in Chemistry (9 courses if CHE 161 is taken), which include the following:

- CHE 121 - Chemical Principles I (1)
- CHE 122 - Chemical Principles II (1)
- CHE 202 - Analytical Chemistry (1)
- CHE 225 - Organic Chemistry I (1)
- CHE 323 - Physical Chemistry I (1)
- CHE 324 - Physical Chemistry II (1)
- CHE 326 - Organic Chemistry II (1)
- CHE 327 - Organic Chemistry Laboratory (1)
- Two additional courses at the 300 level, excluding CHE 380
- Mathematics through MAT 122 - Calculus of Several Variables (1)
- PHY 263 - Laboratory Physics (1)
- PHY 161 - General Physics I (1) -PHY 162 - General Physics II (1) **OR** PHY 141 - Introductory Physics I (1) - PHY 142 - Introductory Physics II (1) (with department permission)

Note:

To fulfill the capstone requirement, each student must submit a portfolio of work and have it approved by the department, as described on the department website.

Chemistry: Education Concentration

A minimum of 8 courses in chemistry (7 courses if CHE 161 is taken), to include the following: CHE 121 , CHE 122 , CHE 202 , CHE 225 , CHE 323 , CHE 326 , CHE 327, and one of the following advanced chemistry courses: CHE 324 , CHE 328 , CHE 333 , CHE 334 , or CHE 335 ; either ENV 202 (Environmental Chemistry) or PHY 263 (Laboratory Physics); mathematics through MAT 122 (Calculus of Several Variables); and either PHY 161 and PHY 162 (General Physics I and II) or PHY 141 and PHY 142 (Introductory Physics I and II).

Concentration:

Students should consult with the Department concerning major programs which lead to graduate work in chemistry, chemical physics, biochemistry, and medicine, or to industrial employment.

Note:

The Summer Research Program of the Department of Chemistry provides an opportunity to spend a summer at Cornell College working on a research project with a member of the Chemistry faculty. Interested students should consult a faculty member in the Department.

Classical Studies, B.A.

Advisor: John Gruber-Miller

This interdisciplinary major is based on the study of language, literature, and civilization and allows for a creative and flexible program that will touch all aspects of the ancient world--its art, history, religion, philosophy, literature, society, and culture.

Requirements

A minimum of nine course credits, which include:

Three Course Credits

In either Latin or Greek at or above the 200 level

Two Course Credits

Greek and Roman literature in English translation selected from

- CLA 216 - Classical Mythology (in English) (1)
- CLA 364 - Masterpieces of Greek and Roman Theatre (1)
- CLA 372 - Epic Traditions: Classical and Modern Odysseys (1)

- CLA 373 - Love and Sexuality in Greece and Rome (in English) (1)

Three Course Credits

Related areas selected from

- ART 251 - Greek and Hellenistic Art (1)
- ART 252 - Etruscan and Roman Art (1)
- CLA 111 - Big Screen Rome (W) (1)
- CLA 230 - Cultural Crossroads in Antiquity: Egypt, Greece, and Persia (In Chicago) (1)
- CLA 254 - Greek History (1)
- CLA 255 - Roman History (1)
- CLA 264 - Women in Antiquity (1)
- CLA 381 - Greek Archaeology (1)
- CLA 382 - Roman Archaeology (1)
- PHI 302 - Ancient Philosophy (1)
- REL 251 - Jesus in the Gospels (1)
- REL 252 - The Epistles of Paul (1)
- REL 353 - Christian Foundations (1)

Capstone Course:

- CLA 487 - Junior/Senior Seminar (1)

Note:

With the permission of the major advisor, relevant courses from other departments may be counted toward the major.

Computer Science, B.A.

Tony deLaubenfels, Ross Sowell, Leon Tabak (chair)

The technology of computing has developed with unprecedented speed and offers the prospect of continued rapid advance. Few technologies have so quickly become so pervasive. Few have so profoundly changed science, business and industry, and government. Some understanding of Cornell College 2016-17 Academic Catalogue 99 the potential and limitations of computing is essential to anyone who wishes to understand modern society.

Design, experiment, and analysis: these skills make the computer scientist part engineer, part scientist, and part mathematician. The student of computer science learns how to effectively communicate with teammates and clients to define problems and their solutions. Students learn how to divide a complex problem into pieces of manageable size, to organize and relate the pieces of information that describe the problem, and to order the steps of the solution. The study of computer science serves to increase a student's awareness of the necessity of constructing a hierarchy of abstractions as a means of building and understanding complex machines, the designer's need to give balanced consideration to competing goals, e.g., minimizing cost while maximizing computational speed, and the relationship between software and hardware.

Requirements

A minimum of 10.25 course credits, including 9.25 in Computer Science

- MAT 120 - Calculus of a Single Variable Part II (1) **OR** MAT 121 - Calculus of a Single Variable (1) **OR** STA 201 - Statistical Methods I (1)

The Courses in Computer Science Must Include

- CSC 140 - Foundations of Computer Science (1)
- CSC 144 - Software Architecture (1)
- CSC 151 - Discrete Mathematics for Computer Science (1)
- CSC 218 - Computer Organization (1)
- CSC 301 - Algorithms and Data Structures (1)
- CSC 512 - Professional Practice in Computer Science (1/4)
- At least four other 300-level courses **OR** three 300-level courses and CSC 270

One of the Four Required 300-Level Courses may be an Internship, Independent Study, or Original Project

Note:

The faculty strongly recommends additional study of Mathematics and Statistics for those students who intend to pursue software engineering careers or continue their study of computer science at the graduate level.

Economics and Business, B.A.

Cynthia Bradley, A'amer Farooqi, Santhi Hejeebu, Todd Knoop (chair), Elmira Shekari Namin, Jerome Savitsky, Deidra Schleicher

The economics and business department offers four distinct majors: (1) Business, (2) Economics and Business, (3) Management-General Management Track, and (4) Management- Personnel Management Track.

Requirements

A minimum of 12 course credits, including the following core courses:

- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- ECB 151 - Financial Accounting (1)
- ECB 301 - Intermediate Microeconomics (1)
- ECB 302 - Intermediate Macroeconomics (1)
- STA 201 - Statistical Methods I (1)
- STA 348 - Mathematical Statistics II (1)

At Least One of the Following Quantitative Literacy Courses (to be taken by Block Four of the junior year):

- ECB 212 - Social Networks (1)
- ECB 223 - International Economics (1)
- ECB 225 - Money and Banking (1)
- ECB 243 - Investments (1)
- ECB 257 - Labor Economics (1)
- ECB 258 - Economics of Sports (1)

At Least Two of the Following Capstone Seminar Courses:

- ECB 320 - Women, Men, and Labor Market Seminar (1)
- ECB 321 - Macroeconomics Seminar (1)
- ECB 323 - International Economics Seminar (1)
- ECB 352 - Financial Management Seminar (1)
- ECB 354 - Business Analytics II (1)
- ECB 356 - Economics of Organizations Seminar (1)
- ECB 358 - Analytics Case Seminar (1)
- At least one 300-level ECB elective (ECB 380, ECB 389, ECB 390, ECB 397, and ECB 399 may not be applied to the 300-level ECB elective requirement)

Note: Students may not double major in Business and in Economics & Business

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Concentrations:

A combination of courses from several disciplines may be used as a basis for advanced training in law, government service, and a number of other professional programs. The Department will assist students in selecting interdisciplinary programs for special purposes, e.g., with the other social sciences and natural sciences for environmental studies, and with history and politics for international studies.

Quantitative Skills:

For basic skills, majors should take CSC 131 - The Beauty and Joy of Computing (1) and MAT 121 - Calculus of a Single Variable (1). For strong graduate school preparation in either economics or business, students should take CSC 140 - Foundations of Computer Science (1), MAT 121 - Calculus of a Single Variable (1), MAT 122 - Calculus of Several Variables (1), MAT 221 - Linear Algebra (1), and possibly STA 347 and STA 348 - Mathematical Statistics II (1).

Elementary Education, B.A.

Kerry Bostwick, Jill Heinrich, Kate Kauper (chair), and Cindy Postler

Cornell College offers a major in Elementary Education and coursework for students seeking teaching certification in grades K-6, K-12, or 5-12. Students must apply to the Teacher Education Program for admission to any of the certification tracks. Applications are due December 1 or May 1 of the sophomore year or August 1 of their junior year. Students seeking admission to the Teacher Education Program in their junior year must have special permission from the chair of the Education Department.

The following conditions must be met before students will be considered for admission:

1. File a Declaration of Major form with the Registrar (including certification track if applicable: K-12 or 5-12)
2. Complete EDU 215 and at least one additional 200-level Education course (EDU 205, EDU 230, EDU 240)
3. Have a cumulative GPA of 2.5 or higher by the admission deadline
4. Have one positive reference from a faculty member outside the Education Department (submitted via online form by the recommending professor)
5. Successfully complete the C-BASE or Praxis Core Pre-Professional Skills Test by the admission deadline.

Requirements

Whether a candidate for the BA, B.Mus., or B.S.S. degree, every elementary education major must complete the following requirements (these courses can also be applied to the general education requirements).

One Course in Mathematics or Statistics

-Students may use Advanced Placement credit to satisfy this requirement only if transcript credit is awarded.

One Writing-Intensive Course (W)

One Course in Physical Science chosen from:

- CHE 103 - Investigations in Chemistry (1)
- GEO 101 - Earth Science (1)
- GEO 105 - Marine Science (1)
- GEO 111 - Dynamic Earth (1)
- PHY 121 - Astronomy (1)
- PHY 123 - Acoustics, Music, Audio Systems (1)
- PHY 125 - Science through Film and Fiction (1)
- PHY 141 - Introductory Physics I (1)

One Course in Life Sciences Chosen from:

- BIO 103 - Investigations (1)
- BIO 106 - Biology for the Schools (1)
- BIO 141 - Foundations: Cellular Biology (1)
- BIO 142 - Foundations: Organismal Biology (1)

- KIN 207 - Systems Physiology (1)
- BIO 207 - Systems Physiology (1)

One Course in American History

A Minimum of 15 Course Credits in Education to Include

Foundational Courses:

- EDU 205 - Historical Foundations of Education (1)
- EDU 215 - Educational Psychology (1)
- EDU 230 - Exceptional Learner (1)
- EDU 240 - Education and Culture (1)

Core Methods Courses:

- EDU 314 - Methods of Elementary Mathematics (1)
- EDU 317 - Methods of Elementary Science and Social Studies (1)
- EDU 318 - Methods of Elementary Language Arts and Reading (1)
- EDU 319 - Children's Literature (1)
- INT 310 - Theoretical Foundations in Elementary School Mathematics (1)
- INT 320 - Interdisciplinary Theory and Practice for the Elementary Classroom (1)

Communication in Education

- INT 121 - Communication in Education (1)

Student Teaching

- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1)
(Student teaching to include 14 consecutive weeks)

Senior Seminar

- EDU 483 - Senior Seminar (1)

Note:

*Admission to the Teacher Education Program is required before taking Core methods courses.

*A second major or the completion of six courses in one of the following endorsement areas is strongly recommended: reading, math, social studies (including history), science, or English.

Students are encouraged to complete the online reading endorsement courses prior to graduation (EDU 330, EDU 340, EDU 350, and EDU 360). If recommended by the Education Department, the completion of the Elementary Education major qualifies students for K-6 teaching certification in the State of Iowa. Students considering relocation to another state after graduation should check licensure requirements with the state's Department of Education.

Certification Tracks

The Education Department offers coursework toward the completion of licensure requirements in several endorsement areas in conjunction with an approved major. Students must follow their major requirements in addition to satisfying each of the licensure requirements described below. Students must be admitted to the Teacher Education Program (TEP) prior to registering for secondary methods classes.

Note:

If students choose to pursue a BSS degree, they must check with an education professor to make sure they are meeting the general education requirements as stipulated by the State of Iowa.

Engineering Sciences, B.A.*

Kara Beauchamp (chair), Brian Johns, Niloofar Kamran, Derin Sherman

Requirements

A minimum of 16 course credits, which include

- MAT 120 - Calculus of a Single Variable Part II (1) **OR** MAT 121 - Calculus of a Single Variable (1)
- MAT 122 - Calculus of Several Variables (1)
- MAT 221 - Linear Algebra (1)
- MAT 236 - Differential Equations (1)
- PHY 161 - General Physics I (1)
- PHY 162 - General Physics II (1)
- CHE 121 - Chemical Principles I (1) **OR** CHE 161 - Accelerated General Chemistry (1)
- CSC 140 - Foundations of Computer Science (1)
- EGR 131 - Introduction to Engineering Design (1)
- EGR 231 - Engineering Mechanics (1)
- EGR 271 - Engineering Thermodynamics (1)
- EGR 311 - Engineering Circuits (1)
- Three additional EGR courses, at least two of which are at the 300-level.
- EGR 385 - Engineering Design Project (1) (Capstone)

For information about the B.S.E. see Bachelor of Science in Engineering, B.S.E.*

*Pending approval by the Higher Learning Committee

English - Creative Writing Concentration, B.A.

Rebecca Entel (chair), Glenn Freeman, Leslie K. Hankins, Michelle Mouton, Kirilka Stavreva

Fosters a general understanding of English and American literary history while enabling students to concentrate in one of three areas in the field of English: literature; creative writing; or film studies.

Requirements

Must complete a minimum of 11 courses at the 200, 300, or 400-level (must complete 10 courses if the course for #2 below simultaneously fulfills another requirement), to include the following:

Two of the Following

Foundation courses in the field of English, one of which must be in the area of concentration (recommended to be completed by the end of sophomore year):

- ENG 201 - Introduction to Literary Studies (1)
- ENG 202 - Introduction to Film Studies (1)
- ENG 215 - Introduction to Creative Writing (1)

One of the Following

Courses with emphasis on social and/or global issues (may simultaneously fulfill one additional requirement for the English major if eligible):

- ENG 230 - Caribbean Literature (1)
- ENG 240 - Theatre, Architecture, and the Arts in Great Britain (1)
- ENG 311 - Grammar and the Politics of English (1)
- ENG 327 - Shakespeare after Shakespeare: Performance and Cultural Criticism (1)
- ENG 347 - Modern American Literature: Encountering the Wilderness, Literature, and Photo-Writing at the Boundary Waters (Wilderness Field Station, Minnesota) (1) (when offered at the Wilderness Station)
- ENG 350 - American Nature Writers (1)
- ENG 351 - Studies in African-American Literature (1)
- ENG 267 - Multicultural Literature (1)
- ENG 370 - AIDS Literature, Film, and Social Theory (1)
- any 200- or 300-level literature course offered by the Classical and Modern Languages Department, (except FRE 311, GER 311, SPA 311).

One Elective in the Department

Capstone Experience:

- ENG 411 - Senior Seminar (1)
 - ENG 412 - Senior Project in Creative Writing (1) for the creative writing concentration
OR ENG 413 - Senior Project in Critical Writing (1) for the literature or film studies concentration
- Note:** Education students who complete Cornell certification to teach English are **not** required to take ENG 412 or ENG 413.

Creative Writing Concentration

Three courses, to be distributed among three of the following literary-historical groups:

Three Courses

To be distributed among three of the following literary-historical groups:

Medieval and Renaissance Literature:

- ENG 321-ENG 327

Restoration and 18th Century:

- ENG 328 - Eighteenth Century English Literature (1)
- ENG 329 - Eighteenth Century Fiction (1)
- ENG 331 - British Literature of the Romantic (1)
- ENG 332 - Queering the Restoration (1)

19th-Century Literature:

- ENG 333 - Victorian Literature (1)
- ENG 334 - Nineteenth Century English Novel (1)
- ENG 343 - The American Renaissance (1)
- ENG 345 - Late Nineteenth Century American Literature (1)
- ENG 351 - Studies in African-American Literature (1) (depending on topic)

20th-21st Century:

- ENG 230 - Caribbean Literature (1)
- ENG 267 - Multicultural Literature (1)
- ENG 335 - Virginia Woolf (1)
- ENG 336 - Early Twentieth Century Literature (1)
- ENG 347 - Modern American Literature: Encountering the Wilderness, Literature, and Photo-Writing at the Boundary Waters (Wilderness Field Station, Minnesota) (1)

- ENG 350 - American Nature Writers (1)
- ENG 351 - Studies in African-American Literature (1) (depending on topic)
- ENG 361 - Modern Poetry (1)
- ENG 363 - Contemporary Fiction (1)
- ENG 364 - Contemporary Poetry (1)
- ENG 365 - Comparative Literature and Cinema (1) (depending on topic)

Either

- ENG 317 - Advanced Poetry Writing (1) **OR** ENG 318 - Advanced Fiction Writing (1)

One Additional Course from

- ENG 220 - Nature Writing (1)
- ENG 317 - Advanced Poetry Writing (1)
- ENG 318 - Advanced Fiction Writing (1)
- ENG 381 -ENG 383
- THE 321 - Playwriting I (1)

Note:

The department recommends that foundation courses be completed by the end of the sophomore year and that majors consider an internship in an area of interest in the junior or senior year. Transfer students must take a minimum of six courses toward the major at Cornell College.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach English/Language Arts should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

English - Film Studies Concentration, B.A.

Rebecca Entel (chair), Glenn Freeman, Leslie K. Hankins, Michelle Mouton, Kirilka Stavreva

Fosters a general understanding of English and American literary history while enabling students to concentrate in one of three areas in the field of English: literature; creative writing; or film studies.

Requirements

Must complete a minimum of 11 courses at the 200, 300, or 400-level (must complete 10 courses if the course for #2 below simultaneously fulfills another requirement), to include the following:

Two of the Following

Foundation courses in the field of English, one of which must be in the area of concentration (recommended to be completed by the end of sophomore year):

- ENG 201 - Introduction to Literary Studies (1)
- ENG 202 - Introduction to Film Studies (1)
- ENG 215 - Introduction to Creative Writing (1)

One of the Following

Courses with emphasis on social and/or global issues (may simultaneously fulfill one additional requirement for the English major if eligible):

- ENG 230 - Caribbean Literature (1)
- ENG 240 - Theatre, Architecture, and the Arts in Great Britain (1)
- ENG 311 - Grammar and the Politics of English (1)
- ENG 327 - Shakespeare after Shakespeare: Performance and Cultural Criticism (1)
- ENG 347 - Modern American Literature: Encountering the Wilderness, Literature, and Photo-Writing at the Boundary Waters (Wilderness Field Station, Minnesota) (1) (when offered at the Wilderness Station)
- ENG 350 - American Nature Writers (1)
- ENG 351 - Studies in African-American Literature (1)
- ENG 267 - Multicultural Literature (1)
- ENG 370 - AIDS Literature, Film, and Social Theory (1)
- any 200- or 300-level literature course offered by the Classical and Modern Languages Department, (except FRE 311, GER 311, SPA 311).

One Elective in the Department

Capstone Experience:

- ENG 411 - Senior Seminar (1)
- ENG 412 - Senior Project in Creative Writing (1) for the creative writing concentration
OR ENG 413 - Senior Project in Critical Writing (1) for the literature or film studies concentration
Note: Education students who complete Cornell certification to teach English are **not** required to take ENG 412 or ENG 413.

Film Concentration

Three Courses

To be distributed among three of the following literary-historical groups:

Medieval and Renaissance Literature:

- ENG 321-ENG 327

Restoration and 18th Century:

- ENG 328 - Eighteenth Century English Literature (1)
- ENG 329 - Eighteenth Century Fiction (1)
- ENG 331 - British Literature of the Romantic (1)
- ENG 332 - Queering the Restoration (1)

19th Century:

- ENG 333 - Victorian Literature (1)
- ENG 334 - Nineteenth Century English Novel (1)
- ENG 343 - The American Renaissance (1)
- ENG 345 - Late Nineteenth Century American Literature (1)
- ENG 351 - Studies in African-American Literature (1) (depending on topic)

20th-21st Century:

- ENG 230 - Caribbean Literature (1)
- ENG 267 - Multicultural Literature (1)
- ENG 335 - Virginia Woolf (1)
- ENG 336 - Early Twentieth Century Literature (1)
- ENG 347 - Modern American Literature: Encountering the Wilderness, Literature, and Photo-Writing at the Boundary Waters (Wilderness Field Station, Minnesota) (1)
- ENG 350 - American Nature Writers (1)
- ENG 351 - Studies in African-American Literature (1) (depending on topic)

Two Additional Courses from

- ENG 327 - Shakespeare after Shakespeare: Performance and Cultural Criticism (1)
- ENG 365 - Comparative Literature and Cinema (1)
- ENG 370 - AIDS Literature, Film, and Social Theory (1)
- ENG 371 - Literary Theory (1) (depending on topic)
- ENG 372 - Film and Film Studies (1)
- HIS 364 - Documentary Imagination-Depression (1)
- CLA 364 - Masterpieces of Greek and Roman Theatre (1)

Note:

The department recommends that foundation courses be completed by the end of the sophomore year and that majors consider an internship in an area of interest in the junior or senior year. Transfer students must take a minimum of six courses toward the major at Cornell College.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach English/Language Arts should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

English - Literature Concentration, B.A.

Rebecca Entel (chair), Glenn Freeman, Leslie K. Hankins, Michelle Mouton, Kirilka Stavreva

Fosters a general understanding of English and American literary history while enabling students to concentrate in one of three areas in the field of English: literature; creative writing; or film studies.

Requirements

Must complete a minimum of 11 courses at the 200, 300, or 400-level (must complete 10 courses if the course for #2 below simultaneously fulfills another requirement), to include the following:

Two of the Following

Foundation courses in the field of English, one of which must be in the area of concentration (recommended to be completed by the end of sophomore year):

- ENG 201 - Introduction to Literary Studies (1)
- ENG 202 - Introduction to Film Studies (1)
- ENG 215 - Introduction to Creative Writing (1)

One of the Following

Courses with emphasis on social and/or global issues (may simultaneously fulfill one additional requirement for the English major if eligible):

- ENG 230 - Caribbean Literature (1)
- ENG 240 - Theatre, Architecture, and the Arts in Great Britain (1)
- ENG 311 - Grammar and the Politics of English (1)
- ENG 327 - Shakespeare after Shakespeare: Performance and Cultural Criticism (1)
- ENG 347 - Modern American Literature: Encountering the Wilderness, Literature, and Photo-Writing at the Boundary Waters (Wilderness Field Station, Minnesota) (1) (when offered at the Wilderness Station)
- ENG 350 - American Nature Writers (1)
- ENG 351 - Studies in African-American Literature (1)
- ENG 267 - Multicultural Literature (1)
- ENG 370 - AIDS Literature, Film, and Social Theory (1)
- any 200- or 300-level literature course offered by the Classical and Modern Languages Department, (except FRE 311, GER 311, SPA 311).

One Elective in the Department

Capstone Experience:

- ENG 411 - Senior Seminar (1)
- ENG 412 - Senior Project in Creative Writing (1) for the creative writing concentration
OR ENG 413 - Senior Project in Critical Writing (1) for the literature or film studies concentration
Note: Education students who complete Cornell certification to teach English are **not** required to take ENG 412 or ENG 413.

Literature Concentration

Four courses, to be distributed among at least three of the following literary-historical groups; at least one course must be from the Medieval and Renaissance group

Medieval and Renaissance Literature:

- ENG 321-ENG 327

Restoration and 18th Century:

- ENG 328 - Eighteenth Century English Literature (1)
- ENG 329 - Eighteenth Century Fiction (1)
- ENG 331 - British Literature of the Romantic (1)
- ENG 332 - Queering the Restoration (1)

19th-Century Literature:

- ENG 333 - Victorian Literature (1)
- ENG 334 - Nineteenth Century English Novel (1)
- ENG 343 - The American Renaissance (1)
- ENG 345 - Late Nineteenth Century American Literature (1)
- ENG 351 - Studies in African-American Literature (1) (depending on topic)

20th-21st Century:

- ENG 230 - Caribbean Literature (1)
- ENG 335 - Virginia Woolf (1)
- ENG 336 - Early Twentieth Century Literature (1)
- ENG 347 - Modern American Literature: Encountering the Wilderness, Literature, and Photo-Writing at the Boundary Waters (Wilderness Field Station, Minnesota) (1)
- ENG 350 - American Nature Writers (1)
- ENG 351 - Studies in African-American Literature (1) (depending on topic)
- ENG 361 - Modern Poetry (1)
- ENG 363 - Contemporary Fiction (1)

- ENG 364 - Contemporary Poetry (1)
- ENG 365 - Comparative Literature and Cinema (1) (depending on topic)
- ENG 267 - Multicultural Literature (1)

One Course from

- ENG 311 - Grammar and the Politics of English (1)
- ENG 319 - Advanced Critical Writing (1)
- ENG 371 - Literary Theory (1)

Note:

The department recommends that foundation courses be completed by the end of the sophomore year and that majors consider an internship in an area of interest in the junior or senior year. Transfer students must take a minimum of six courses toward the major at Cornell College.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach English/Language Arts should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Environmental Studies, B.A.

Advisor: Rhawn Denniston

Requirements

One introductory course chosen from the following:

- ENV 101 - Environmental Perspectives (1)
 - GEO 105 - Marine Science (1)
 - GEO 122 - Climate Change (1)
 - PHI 109 - Ethics and Climate Change (FYS) (1)
 - PSY 243 - Psychological Insights into Environmental Problems (FYS) (1)
- Topics courses (such as BIO 108) will be considered by the program chair on a case-by-case basis
- All four of the following:
- ENV 201 - Environmental Biology (1)
 - ENV 202 - Introduction to Environmental Chemistry (1)
 - ENV 301 - Hydrogeology (1)
 - ECB 261 - Global Environmental Economics (1)

Two courses chosen from the following:

- ENG 350 - American Nature Writers (1)

- ENG 347 - Modern American Literature: Encountering the Wilderness, Literature, and Photo-Writing at the Boundary Waters (Wilderness Field Station, Minnesota) (1)
- ENG 220 - Nature Writing (1)
- PHI 224 - Environmental Ethics (1)
- SOC 320 - Sociology of the Environment (1)

Five (5) Electives

To be chosen with the student's ENV advisor and that define a concentration, at least two (2) of which must be at or above the 300-level. No prescribed list of electives will be created; instead, students will be allowed to choose from all classes offered at Cornell as long as (1) they define a particular area of concentration and (2) they are acceptable to that student's ENV advisor. The list of five electives will be finalized with the students' ENV advisor and submitted to the Registrar and the Environmental Studies Program Committee at the time of spring registration during the junior year. The list of electives must be accompanied by a statement explaining how those courses define a particular area of concentration, and must be signed by the advisor and two other members of the Environmental Studies Program Committee.

Capstone Experience:

May involve a course, internship, or other experience that complements the student's ENV concentration. Should be performed only after having completed at least 9 of the credits required for the major. Capstone proposals must be deemed acceptable by the student's capstone advisor at least one month in advance of the capstone experience.

Graduating with Honors in Environmental Studies

Requires satisfying the following two requirements:

A.

An average GPA of 3.5 in all courses counted for the ENV major; these include the required courses, the courses used to define a concentration, and any courses used to satisfy the capstone requirement (note that the capstone need not be a course);

B.

A capstone project of sufficient intellectual depth to merit honors in Environmental Studies; each honors capstone will be evaluated by the student's capstone committee (which is to be composed of three faculty, at least two of whom are regular members of the Environmental Studies Program Committee) and should be discussed among the student and his/her capstone committee during construction of the capstone proposal.

Ethnic Studies, B.A.

Advisor: Catherine Stewart

The Ethnic Studies Program and the courses that make up its major address questions of ethnic identity and relations among ethnic groups and is supervised by a faculty committee composed of the course instructors.

In order to receive Ethnic Studies credit a course must devote a significant portion of its content to the study of subordinate racial or ethnic groups, where a subordinate group is understood as one whose members are, or have historically been, disadvantaged and subjected to unequal treatment by the dominant group in a society, the latter understood as a group whose members have

superior access to or control over a society's economic, political, or social power. Specific courses may emphasize the cultural practices of one or more racial or ethnic groups or the interrelationships between subordinate and dominant racial or ethnic groups.

Ethnic Studies faculty members: Craig Allin, Carol Enns, Christina Penn-Goetsch, Marcela Ochoa-Shivapour, Mary Olson, Catherine Stewart,

Requirements

A minimum of 10 course credits which include:

- ANT 101 - Cultural Anthropology (1)
- EDU 240 - Education and Culture (1)
- EST 123 - Introduction to Ethnic Studies (1)
- EST 485 - Readings/Research in Ethnic Studies (1)
- PSY 276 - Multicultural Psychology (1) **OR** GSS 270 - Social Justice Perspectives and Practices (1)
- SOC 348 - Race and Ethnic Relations (1)

Four Courses Selected from the Following

At least two of which must be at the 300 level and no more than three of which may be chosen from one department:

- ANT 208 - Cross-Cultural Love and Family (1)
- ANT 271 - Women, Men and Gender Roles in Cross-Cultural Perspective (1)
- ART 263 - The Arts of West and Central Africa (1)
- ART 264 - African American Art: Intersectionality in the United States (1)
- ART 265 - Arts of the African Diaspora: Latin America and the Caribbean (1)
- ART 266 - American Indian Art: Gender and the Marketplace (1)
- CLA 230 - Cultural Crossroads in Antiquity: Egypt, Greece, and Persia (In Chicago) (1)
- HIS 255 - American Lives (1)
- HIS 350 - Colonial America (1)
- HIS 241 - Slavery and the Environment in a Comparative Context (in the Bahamas) (1)
- HIS 354 - U.S. Social History Since 1940 (1)
- HIS 356 - African-Americans in U.S. History (1)
- HIS 369 - Chicago: The Transformation of America's Second City, 1880-1940 (1)
- MUS 220 - Jazz History (1)
- PHI 301 - Asian Philosophy (1)
- POL 361 - Race, Sex, and the Constitution (American Politics & Public Policy) (1)
- POL 367 - Urban Politics and Policy (American Politics & Public Policy) (1)
- REL 342 - Judaism (1)
- REL 362 - Holocaust and Response (1)
- RUS 181 - Introduction to Russian Culture through Literature and Film (W) (1)
- SOC 248 - American Indians: Culture, Activism, and Social Justice (1)
- SOC 249 - Traditional Culture and Contemporary Issues in Japan (1)
- SOC 343 - Women: Oppressions and Resistances (1)
- SOC 376 - The African American Civil Rights Movement through Film (1)

- SPA 383 - Latinos in the U.S. (1)
- SPA 385 - Latin American Culture and Civilization (1)

Note:

Similar courses, if approved in advance by the Ethnic Studies advisor, may also be chosen as electives. Students are encouraged to participate in relevant study-abroad programs. To count such programs toward an interdisciplinary major in Ethnic Studies, students must obtain the approval of the Ethnic Studies advisor in advance.

French, B.A.

Requirements

A minimum of eight course credits in French at or above the 300 level, which include

- FRE 301 - Composition and Conversation (1)
- FRE 303 - Cultures of France and Francophone World (1) OR FRE 302 Francophone Culture Abroad (Advanced)
- FRE 311 - Introduction to Literature in French (1) **OR** FRE 312 - Introduction to French and Francophone Film (1)
- FRE 312 - Introduction to French and Francophone Film (1)
- FRE 411 - Capstone: Seminar (1) **OR** FRE 412 - Independent Capstone Research Project (1)

Note:

A maximum of two elective upper-level courses in other areas, approved beforehand by the Department as relevant to the major, may be substituted for two of the elective French courses.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach French should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Study Abroad:

French majors are strongly encouraged to study abroad, and up to four course credits taken on approved programs may be substituted for required major courses.

Note:

Lectures and discussions in 300- and 400-level courses are in French unless otherwise specified.

Gender, Sexuality, and Women's Studies, B.A.

Tori Barnes-Brus (co-chair), Erin Davis, Carolyn Zerbe Enns, John Gruber-Miller, Michelle Herder (co-chair), Christina Penn-Goetsch, Misha Quill, Aparna Thomas, Rebecca Wines

Requirements

A minimum of nine and ½ course credits, which include:

- GSS 171 - Gender, Power, and Identity (1)
- GSS 270 - Social Justice Perspectives and Practices (1)
- GSS 510 - Gender, Sexuality, and Women's Studies in Action (1/4) (1/2 credit to be earned over two semesters)
- GSS 487 - Project (1)

Six Courses Selected From the Following

At least three of which must be at the 300 level, and which must be chosen from at least two different departments:

- ANT 271 - Women, Men and Gender Roles in Cross-Cultural Perspective (1)
- ANT 312 - Medical Anthropology (1)
- ART 264 - African American Art: Intersectionality in the United States (1)
- ART 266 - American Indian Art: Gender and the Marketplace (1)
- ART 361 - Saints and She-Devils (1)
- ART 363 - Feminist Art (1)
- CLA 264 - Women in Antiquity (1)
- CLA 373 - Love and Sexuality in Greece and Rome (in English) (1)
- ECB 320 - Women, Men, and Labor Market Seminar (1)
- ENG 335 - Virginia Woolf (1)
- ENG 351 - Studies in African-American Literature (1)
- ENG 370 - AIDS Literature, Film, and Social Theory (1)
- ENG 372 - Film and Film Studies (1)
- FRE 254 - Bending Boundaries: Francophone Women in Translation (1)
- FRE 353 - Race and Immigration in French Film (1)
- FRE 354 - Sporting Identities (1)
- GER 351 - Modern Men (1)
- HIS 319 - Women in Medieval Europe (1)
- HIS 320 - Persecution, Tolerance, and Minorities in Medieval Europe (1)
- HIS 354 - U.S. Social History Since 1940 (1)
- HIS 358 - Work and Leisure in Modern America (1)
- MUS 263 - Women and Music (1)
- PHI 352 - Philosophy of Feminism (1)
- POL 330 - Women and Politics: A Cross-National Perspective (International Relations & Comparative Government) (1)
- POL 331 - Gender and Development (International Relations & Comparative Government) (1)
- POL 361 - Race, Sex, and the Constitution (American Politics & Public Policy) (1)
- PSY 374 - Psychology of Women and Gender (1)
- SOC 246 - Gender Diversity (1)
- SOC 249 - Traditional Culture and Contemporary Issues in Japan (1)
- SOC 255 - Media and the Public Mind (1)

- SOC 273 - Families in a Social Context (1)
- SOC 317 - Reproductive Practices, Reproductive Policies (1)
- SOC 343 - Women: Oppressions and Resistances (1)
- SOC 365 - Sexualities (1)
- SOC 366 - Gender Differences and Inequalities (1)
- SOC 367 - Self and Identity (1)
- SOC 368 - Sociology of the Body (1)

Note:

Similar courses, if approved in advance in by the Gender Studies program, may also be chosen as electives.

One Experiential Learning Component

The experiential learning component may consist of an off-campus course, a service/practicum course, an internship/apprenticeship experience, or substantive activism or service component outside of a course (i.e., alternative spring break), which is selected and approved in consultation with advisers This requirement may be fulfilled for academic credit or through volunteer roles.

Rationale

Each student will develop a brief rationale for her or his program of study, which will be approved by the major advisor and a secondary program advisor from a second division of the college. In consultation with these advisors, the student will also: (a) select courses and/or contexts in which she or he will acquire the theoretical and methodological skills to complete a capstone project, and (b) indicate how the proposed course of study provides intersectional, global, and historical perspectives relevant to the study of women, gender, and sexuality.

Geology, B.A.

Rhawn Denniston (chair), Benjamin Greenstein, Emily Walsh

Requirements

A minimum of 12.5 courses, two 100-level geology courses, one of which must be GEO 111 OR GEO 114

- GEO 212 - Mineralogy (1)
- GEO 214 - Tectonics (1)
- GEO 217 - Invertebrate Paleontology (1)
- GEO 306 - Igneous Petrology (1)
- GEO 307 - Metamorphic Petrology (1)
- GEO 320 - Hydrogeology (1)
- GEO 324 - Sedimentology and Stratigraphy (1)
- GEO 485 - Geological Problems Departmental Capstone Experience

A Field Class

Such as

- GEO 255 - Modern/Ancient Carb Systems (in the Bahamas) (1)
- GEO 329 - The Geology of New Zealand (in New Zealand) (1)
- An accredited summer field camp

A 300-level Specialty Course

Offered by the student's GEO 485 advisor

- GEO 317 - Paleocology (1)
- GEO 322 - Climates of the Ice Age (1)
- GEO 325 - The Origin of Mountains (1)

Two (2) Quarter Credits

In GEO 511 in association with the (1) construction of a capstone research proposal and (2) construction and delivery of a public presentation of the capstone results.

Supporting Coursework

Chemistry, physics, and mathematics is strongly recommended, including

- CHE 121 - Chemical Principles I (1) -CHE 122 - Chemical Principles II (1) **OR** CHE 161 - Accelerated General Chemistry (1)
- MAT 121 - Calculus of a Single Variable (1)
- MAT 122 - Calculus of Several Variables (1)

- PSY 161-PHY 162 **OR** PHY 141 -PHY 142

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach science should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

German Studies, B.A.

Requirements

A minimum of nine course credits, which include:

- GER 205 - Intermediate German: Topics-German Cultures (1)
- GER 485 - Senior Tutorial (Capstone) (1)

Two Courses From

- GER 301 - Personal Narratives (1)
- GER 302 - In the Media (1)
- GER 311 - Introduction to Literature (1)

A Minimum of Two

GER literature, culture or history courses conducted in English or in German at or above the 300 level

A Minimum of Three

Course credits in German or related areas approved beforehand by the Department as relevant to the major.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach German should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

History, B.A.

Rober Givens, Michelle Herder (chair), M. Philip Lucas, Catherine Stewart

Requirements

A minimum of nine course credits in History, at least five of which must be at or above the 300 level, to include three courses at or above the 300 level in one of the following fields:

Europe to 1700

- HIS 304 - Europe: the Sixteenth and Seventeenth Centuries (1)
- HIS 317 - The Crusades (1)
- HIS 319 - Women in Medieval Europe (1)
- HIS 320 - Persecution, Tolerance, and Minorities in Medieval Europe (1)
- HIS 326 - Women in Renaissance and Reformation Europe (1)
- HIS 331 - HIS 340

Europe Since 1700

- HIS 315 - International Relations in Modern West (1)
- HIS 316 - Enlightenment and the French Revolution (1)
- HIS 318 - Growth of Industrial Society (1)
- HIS HIS 321 - HIS 324

- HIS 327-HIS 330

American and Latin American History

- HIS 349 -HIS 358
- HIS 364 - Documentary Imagination-Depression (1)
- HIS 369 - Chicago: The Transformation of America's Second City, 1880-1940 (1)

Any Two Courses in History Outside the Primary Field at Any Level

Note:

Only one course credit of Internship (HIS 280/HIS 380) may be applied to a History major.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Interdisciplinary Majors and Programs:

The Department of History cooperates in offering several interdisciplinary majors and programs: Ethnic Studies, International Relations, Latin American Studies, and Russian Studies.

International Relations, B.A.

Advisors: Robert Givens, David Yamanishi (chair)

This interdisciplinary major has been designed to prepare students either for further study of international relations or for future employment in government or business. The curriculum consists of a four-year program in history, politics, and at least one modern foreign language.

Requirements

A minimum of 10 course credits, distributed as follows:

- HIS 104 - Modern Europe and Its Critics (1)
- HIS 210 - Warfare and Society in Modern Times (1)
- ECB 101 - Macroeconomics (1)
- POL 142 - International Politics (International Relations & Comparative Government) (1)
- POL 348 - U.S. Foreign Policy (International Relations & Comparative Government) (1)
- FRE 205 - Intermediate French (1)
- GER 205 - Intermediate German: Topics-German Cultures (1)
- RUS 205 - Intermediate Russian (1)

- SPA 205 - Topics and Encounters in Hispanic Cultures (1)

Two Courses Selected from

- POL 330 - Women and Politics: A Cross-National Perspective (International Relations & Comparative Government) (1)
- POL 331 - Gender and Development (International Relations & Comparative Government) (1)
- POL 333 - International Organizations (International Relations & Comparative Government) (1)
- POL 334 - Strategies to Alleviate Poverty (International Relations & Comparative Government) (1)
- POL 346 - Political Economy of Developing Countries (International Relations & Comparative Government) (1)
- POL 349 - International Political Economy (International Relations & Comparative Government) (1)

One Course Selected from the Following:

- ECB 223 - International Economics (1)
- ECB 261 - Global Environmental Economics (1)
- FRE 303 - Cultures of France and Francophone World (1)
- HIS 323 - Russia from 1941 (1)
- REL 222 - Religions of the World (1)
- RUS 181 - Introduction to Russian Culture through Literature and Film (W) (1) **OR** RUS 384 - Russia Today (1)
- SPA 385 - Latin American Culture and Civilization (1)

Language to the 205 Level (choose from one of the following):

- FRE 205 - Intermediate French (1)
- GER 205 - Intermediate German: Topics-German Cultures (1)
- RUS 205 - Intermediate Russian (1)
- SPA 205 - Topics and Encounters in Hispanic Cultures (1)
*or equivalent

Either:

One course for college credit taught outside the United States (to be approved in advance by the International Relations Committee) or the 301 (Composition and Conversation) course or its equivalent in a modern language. Students whose native language is not English or who have lived for at least one year outside the United States in a non-English-speaking country will be considered to have fulfilled the language/travel requirement.

Kinesiology, B.A.

Steven DeVries, Justus Hallam, Christina Johnson, Kristin Meyer (chair), Ellen Whale

Kinesiology is the interdisciplinary study of human physical activity. The kinesiology major and courses provide students with opportunities to investigate biological, behavioral, cultural, and pedagogical aspects of exercise and sport behavior. Teaching Concentration courses emphasize theory and application of physical education pedagogy, ethics, and administrative concepts associated with teaching at the elementary and secondary school levels. The Exercise Science Concentration offers a scientific study of physiological, behavioral, and cultural aspects of human physical performance for students interested in fitness and wellness professions and graduate studies in specialized exercise, sport, and health sciences programs. A coaching education program and elective courses are offered to meet the special interests and needs of students.

Requirements

Exercise Science Concentration

A minimum of 10 course credits, including the following core courses:

- KIN 111 - Foundations of Kinesiology (1)
- KIN 206 - Exercise Psychology (1)
- KIN 207 - Systems Physiology (1) (Cross listed/same course as BIO 207)
- KIN 309 - Anatomy of Human Movement (1)
- KIN 315 - Physiology of Exercise (1)
- KIN 362 - Exercise Testing and Prescription (Capstone) (1) (capstone)
- STA 201 - Statistical Methods I (1)

Three Courses Selected from

- KIN 212 - Sports and American Society (1)
- KIN 215 - Psychology of Sport (1)
- KIN 237 - Care and Prevention of Athletic Injuries (1)
- KIN 308 - Human Biomechanics (1)
- KIN 310 - Nutrition for Health and Performance (1)
- KIN 334 - Motor Learning (1)
- KIN 380 - Internship in Kinesiology (1) (two course credits maximum)

Physical Education Concentration:

STA 201 plus 5-12 course credits to include:

- KIN 111 - Foundations of Kinesiology (1) *
- KIN 206 - Exercise Psychology (1)
- KIN 207 - Systems Physiology (1) (cross listed/same course as BIO 207)
- KIN 237 - Care and Prevention of Athletic Injuries (1)
- KIN 309 - Anatomy of Human Movement (1)
- KIN 311 - Methods for Individual Sports (1)
- KIN 318 - Methods for Team and Dual Sports (1)
- KIN 324 - Elementary Physical Education Methods (1)
- KIN 331 - Physical Education Methods for Secondary School (1)

- KIN 327 - Adaptive Physical Education (1)
- KIN 334 - Motor Learning (1)

KIN 324 is required for students seeking K-6 certification. KIN 331 is required for those seeking 7-12 certification. In addition to the foregoing requirements, prospective teachers must also apply for admission to the Teacher Education Program (before December 1 of their sophomore year) and complete coursework for elementary and/or secondary certification described under Education. See the Education department section for application and certification information (pages 109-111).

*Must be completed prior to student teaching.

Coaching Endorsement or Authorization:

To obtain a *Coaching Endorsement* the individual must complete a major in Elementary Education or coursework leading to secondary certification and be granted an Iowa Teaching Certificate. The *Coaching Authorization* is available to those who do not complete teaching certification requirements or who do not hold an Iowa Teaching Certificate. Both the *Endorsement* and the *Authorization* qualify an individual to be a head coach or an assistant coach in any sport offered in the Iowa public schools. Students who complete one of the following programs may apply for the *Endorsement* or the *Authorization* through the Education Department.

Coaching Endorsement:

KIN 205 and KIN 237, and completion of a major in Elementary Education or coursework leading to secondary certification

Coaching Authorization:

KIN 205 and KIN 237.

Latin American Studies, B.A.

Advisor: Michael Mosier

The Latin American Studies major encompasses courses in Spanish language and culture and offerings from at least four of the following areas: anthropology, art, economics and business, history, Latin American literature and culture, politics, and religion. Portuguese, if transferred from another institution, may be substituted for the courses in Spanish language and culture. The Latin American Studies program is administered by a committee made up of faculty members who teach courses on the approved list given below.

Requirements

A minimum of nine course credits from at least four departments participating in the Latin American Studies program; no more than three such courses may be in any one department. A study experience in a Latin American country is strongly recommended. Currently there are Cornell-sponsored courses in Mexico, Bolivia, and Guatemala. The requirements are:

- SPA 301 - Advanced Grammar and Composition (1) (or equivalent in Portuguese) **OR** SPA 302 - Advanced Conversation Abroad (1)
- HIS 141 - Latin American History (1) **OR** LAS 141 - Introduction to Latin American Studies (1)

- LAS 487 - Senior Thesis (1)

Six Courses Selected from the Following:

- ANT 205 - The Maya (1)
- ANT 256 through ANT 260 - Topics in Anthropology when the subject matter deals specifically with Latin America
- ANT 356 through ANT 361 - Advanced Topics when the subject matter deals specifically with Latin America
- LAS 235 through LAS 240 - Topics in Latin American Studies
- LAS 335 through LAS 340 - Advanced Topics in Latin American Studies
- POL 332 - Human Rights (International Relations & Comparative Government) (1)
- POL 341 - Latin American Politics (International Relations & Comparative Government) (1)
- POL 348 - U.S. Foreign Policy (International Relations & Comparative Government) (1)
- SPA 109 - Topics in Hispanic Literature and Culture (in English) (1)
- SPA 383 - Latinos in the U.S. (1)
- SPA 385 - Latin American Culture and Civilization (1)
- SPA 311 - Introduction to Textual Analysis (1)
- SPA 411 - Seminar (1)
- A maximum of two appropriate independent study courses
- Relevant courses taken as part of an off-campus program and approved by the LAS Committee
- With the approval of the LAS Committee, other courses not listed here but deemed relevant to Latin American Studies

Management- General Management Track, B.A.

The Management major offers students the opportunity for a generalized study of management or a specialized study of the field of personnel management. Students who choose the Management major must complete one of the tracks as defined below. Students may not double major in Management and either Business or Economics and Business.

Requirements

A minimum of 14 course credits, to include the following required courses:

- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- ECB 151 - Financial Accounting (1)
- ECB 121 - Data Visualization (1)
- STA 201 - Statistical Methods I (1)
- PSY 274 - Social Psychology (1)
- ECB 253 - Managerial Accounting (1)
- ECB 210 - Introduction to Financial Management (1) **OR** ECB 243 - Investments (1)
- ECB 326 - Managerial Economics (1)
- PHI 223 - Business Ethics (1)
- ECB 362 - Strategic Management Capstone Seminar (1)
- ECB 327 - Organizational Behavior (1) **OR** ECB 328 - Human Capital Management (1)
- Any 300-level ECB elective or Internship

Management- Personnel Management Track, B.A.

The Management major offers students the opportunity for a generalized study of management or a specialized study of the field of personnel management. Students who choose the Management major must complete one of the tracks as defined below. Students may not double major in Management and either Business or Economics and Business.

Requirements

A minimum of 13.25 course credits, to include the following required courses:

- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- ECB 151 - Financial Accounting (1)
- ECB 121 - Data Visualization (1)
- STA 201 - Statistical Methods I (1)
- PHI 223 - Business Ethics (1)
- PSY 274 - Social Psychology (1)
- ECB 327 - Organizational Behavior (1)
- ECB 231 - Employment Law (1)
- PSY 276 - Multicultural Psychology (1) **OR** PSY 374 - Psychology of Women and Gender (1)
- ECB 328 - Human Capital Management (1)
- ECB 356 - Economics of Organizations Seminar (1) **OR** ECB 320 - Women, Men, and Labor Market Seminar (1)
- ECB 511 - Assessment Center Training (1)

Mathematics, B.A.

Steve Bean, Ann Cannon, Tony deLaubenfels, Jim Freeman (chair)

Requirements

10.25 -12.25 courses.

- Completion of the calculus sequence (through MAT 122)
- CSC 140 - Foundations of Computer Science (1)
-The department recommends that CSC 140, which provides knowledge of a programming language, be acquired by the end of the sophomore year.
- CSC 151 - Discrete Mathematics for Computer Science (1)
- STA 201 - Statistical Methods I (1) **OR** STA 202 - Statistical Methods II (1) (if STA 348 is not one of the 300-level courses completed)

A Minimum of seven Math or Statistics courses numbers 202 or above to include:

Four courses at the 300-level

- MAT 327 - Modern Algebra I (1) **OR** MAT 337 - Analysis I (1)
- MAT/STA 3___
- MAT/STA 3___
- MAT 485 - Senior Capstone Project (1)

Remaining 3 courses out of required 7:

- MAT 221 - Linear Algebra (1)
- MAT 236 - Differential Equations (1)
- STA 202 - Statistical Methods II (1) **OR** MAT 2/3___ **OR** STA 3___
*Students wishing to double major in Math and Secondary Education must take MAT 231 as a part of their Math major.

Complete One of the Following Sequences

- MAT 327-MAT 328
- MAT 337-MAT 338
- MAT 357-MAT 358
- STA 347-STA 348

Capstone:

The capstone experience for a Major in Mathematics and Statistics emphasizes experiential learning. The courses listed below comprise an individual creative project completed in a cooperative learning environment. (Not required for Math majors also majoring in Education, as EDU 483 serves as the capstone).

- MAT 502 - Capstone Preparation (1/4)
- MAT 485 - Senior Capstone Project (1)

Culture Points:

MAT 701 emphasizes co-curricular involvement with mathematics and statistics by requiring students to acquire 30 mathematical/statistics culture points over the course of their career at Cornell. Points can be accumulated before declaring a major. Details on culture points can be found in the Degree Requirements section of the Department of Mathematics and Statistics website.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach math should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

*Students wishing to double major in Math and Secondary Education must take MAT 231 as a part of their Math major.

The Following Courses Cannot be Used to Satisfy Requirements of the Mathematics Major:

- MAT 110 - Great Mathematical Ideas (1)
- MAT 105 - First Year Seminar in Mathematics (1)
- MAT 280 - Internship (1)
- MAT 380 - Internship (1)
- MAT 290 - Independent Study (1)
- MAT 390 - Independent Study (1)
- MAT 511 - Extended Research in Mathematics (1/4)
- STA 390 - Independent Study (1)
- STA 280 - Internship (1)
- STA 380 - Internship (1)

Medieval and Early Modern Studies, B.A.

Advisor: Michelle Herder

The Medieval and Early Modern Studies Program and the courses that make up its offerings are designed to help students gain an awareness of the interconnectedness of historical, cultural, and artistic developments in Europe from the eighth through the seventeenth centuries. Courses offered range from the study of revolutions in religious belief to the impact of the printing press on literature and culture, from artistic representations of she-devils to the writings of political and moral philosophers, from Charlemagne to Falstaff. Students may develop an individualized major in Medieval and Early Modern Studies by following the recommendations given below and filing with the Registrar a Contract for an Individualized Major. See Declaration of Degree Candidacy, Majors, and Minors.

Requirements

A total of nine credits, distributed in the following manner:

A Minimum of Eight Course Credits from

At least four departments, distributed between the following two categories. Of these eight, no more than four courses may be in a single department.

History, Philosophy, and Religion

At least three courses selected from among the following:

- HIS 101 - Europe: 800-1300 (1)
- HIS 102 - Europe: 1300-1700 (1)
- HIS 304 - Europe: the Sixteenth and Seventeenth Centuries (1)
- HIS 317 - The Crusades (1)
- HIS 319 - Women in Medieval Europe (1)
- HIS 320 - Persecution, Tolerance, and Minorities in Medieval Europe (1)
- HIS 326 - Women in Renaissance and Reformation Europe (1)
- PHI 304 - Modern Philosophy: Seventeenth Century (1)

- REL 354 - The Protestant Revolution (1)
- With the approval of the student's Medieval and Early Modern Studies advisor, other appropriate courses from History, Philosophy, and Religion.

Literature and the Arts

At least three courses selected from among the following:

- ART 256 - Italian Renaissance Art (1)
- ART 257 - Medusa's Gaze: Art/Age of Galileo (1)
- ART 361 - Saints and She-Devils (1)
- ENG 321 - Studies in Medieval Literature (1)
- ENG 322 - Medieval and Renaissance Drama: Shakespeare's Rivals (1)
- ENG 323 - Shakespeare I: Comedies and Romances (1)
- ENG 324 - Shakespeare II: Histories and Tragedies (1)
- ENG 325 - Renaissance Non-Dramatic Literature (1)
- ENG 326 - Milton (1)
- FRE 321 - Passionate Extremes in Early-Modern France (1)
- MUS 321 - History of Western Music I (1)
- MUS 322 - History of Western Music II (1)

Senior Project

- MEM 485 - Senior Project (1) (capstone experience)

Competence in

French, German, Greek, Italian, Latin, or Spanish at the 205 level, satisfied by one of the following: (1) 205 or the equivalent; (2) placement into a 300-level course through an examination; or (3) passing a proficiency examination at the 205 level.

Music, B.A.

Lisa Hearne (chair), Martin Hearne, James Martin, Jama Stilwell, Aaron Perrine

Cornell College offers a major in Music within the framework of the Bachelor of Arts and Bachelor of Special Studies degrees. The Department of Music oversees the Bachelor of Music degree, with majors either in Performance or in Music Education (see Bachelor of Music Degree, alongside the Bachelor of Arts Degree under Degree Programs). The Bachelor of Arts allows the student with a strong interest in music the opportunity to explore various musical pursuits within the general liberal arts program of the College. Instruction in a performing medium and participation in solo performance and ensemble courses are required components of the B.A. Music major.

Please see 'Degree and Professional Programs' for Description of the Bachelor of Music Degree.

Requirements

1) A Minimum of 11 Course Credits in Music, which include:

- MUS 110 - Music Theory I (1)
- MUS 210 - Music Theory II (1)
- MUS 310 - Music Theory III (1)
- MUS 343 - Music Theory IV (1)
- MUS 321 - History of Western Music I (1)
- MUS 322 - History of Western Music II (1)
- MUS 323 - History of Western Music III (1)

2) A Minimum of One and One-Half Course Credits in Solo Performance Courses

Of which one course credit must be in one medium selected from

- MUS 731-MUS 793

3) A Minimum of One and One-Half Course Credits in Large Music Ensembles

Of which one course credit must be earned in one ensemble selected from

- MUS 712 - Choir (1/4)
- MUS 713 - Jazz Ensemble (1/4)
- MUS 715 - Orchestra (1/4)
- MUS 716 - Concert Band (1/4)
- MUS 717 - Chamber Singers (1/4)

4) An Elective of any MUS Course Numbered 200 and Above

Not to include MUS 212 or any 700 numbered course other than 702 (Composition).

5) Passing the Piano Proficiency Requirement

All Music majors, regardless of degree or program, must pass the Piano Proficiency Requirement by the end of the sophomore year. If this requirement is not passed by this time, the student must take applied piano (MUS 761 or MUS 762) until the requirement has been passed. The requirement consists of six components: performance of three prepared works; scales; arpeggios; sight reading; and melody harmonization. Also, as part of the requirement, Music Education majors must demonstrate their ability to perform an accompaniment with a singer or instrumentalist. A student may pass the requirement in segments. Music Education majors must pass the Piano Proficiency Requirement before applying for Student Teaching Placement.

6) Passing the Aural Skills Proficiency Requirement

All BA and BM Music majors must pass the Aural Skills Proficiency Requirement in order to complete the Music Major. These students must pass each of a series of graduated exams (3 levels required for the BA; 4 levels required for the BM) that test in the following Aural Skills areas: intervals, chords, scales, melodic dictation, harmonic dictation, and sight singing. These topics will be taught both within the four required Music Theory courses, as well as in a longer-term self-paced, computer-program-assisted,

proficiency-based mode. Music Education majors must pass the Aural Skills Proficiency Requirement before applying for Student Teaching Placement.

7) Completion of a Senior Capstone Experience

All senior Music majors must complete a senior capstone experience. There are two categories from which to choose: recital (MUS 798 or MUS 799); or paper/project (MUS 485). Students may choose both of these options if they wish. Students who plan to complete MUS 485 as their capstone must submit a description of the proposed project for departmental approval by October 1 of their senior year. Student teaching fulfills this requirement for music education majors.

8) Passing Grade in MUS 701 For a Minimum of Five Semesters

MUS 701: The Music Performance Seminar (MUS 701) is a semester-long program that consists of attendance at music events. The purpose of this Seminar is to help nurture an understanding of diverse musical styles and musical ensembles and to provide opportunities for student performances. Attendance at concerts, recitals, and Friday afternoon Music Performance Seminar Student Recitals is required of all Music majors and minors, as well as all other students who are enrolled in music lessons. (Students who have accepted a Music Scholarship must satisfy, at minimum, the recital attendance requirement for a Music minor.) *The number of required events changes from semester to semester. Students should contact the Department of Music each semester for details.* Music majors must receive a passing grade in Music Performance Seminar (MUS 701) in a minimum of five semesters in order to complete the major. Failure to meet the attendance requirement will result in the student's receiving an F for Music Performance Seminar. No course credit is given for this Seminar. It is offered on a Pass/Fail basis.

9) All Music Majors Must enroll in a Solo Performance course (music lesson) and in a music ensemble during their final three semesters, unless excused by the Music Department.

General Music Department Information for All Students

Ensemble and Solo Performance Courses:

Music courses numbered 711 through 793 are open to all qualified students upon audition, may be repeated for credit, and may be counted toward the fulfillment of the Fine Arts General Education Requirement. Any combination of these courses that totals a full course credit will satisfy this requirement. These courses normally encompass four terms and are taken along with principal and concurrent courses. MUS 718/728 (Cornell Lyric Theatre) is an exception. The regulations governing the adding and dropping of Solo Performance (music lessons) and Ensemble courses are given under "Music Lessons at Cornell" and "Ensemble Participation." These regulations apply to all students taking these courses whether or not they are Music majors. To enroll, students register online in Terms 1 and 5. Only juniors and seniors who are candidates for the B.Mus. degree with a major in Performance are permitted to register for a full course credit in a Solo Performance course. Students considering the B.Mus. degree with a major in Performance should register each semester of their first and sophomore years for a half-credit lesson in their primary performance medium and for a full course credit each semester during their last two years. Other music students take lessons for a quarter-course credit each semester or, with the permission of the Department, for a half-course credit.

Ensemble Participation:

Participation in large music ensembles (MUS 712, MUS 713, MUS 715, MUS 716, and MUS 717) is required of all Music majors and music scholarship students, regardless of degree or program. Requirements vary, depending on the degree program.

The student must perform within an ensemble on his/her primary instrument unless otherwise approved by the Department of Music. Pianists must complete one full-credit from the large ensembles (MUS 712, MUS 713, MUS 714, MUS 715, MUS 716) before they may count MUS 719 or MUS 711 as their primary ensemble credit. Only pianists may use MUS 719 or MUS 711 to fulfill an ensemble requirement. Regulations governing adding and dropping ensembles are the same as for Music Lessons, with the exception of MUS 718.

Music Lessons, Fees:

(Solo Performance Courses)*

Music Majors: \$200 for one half-hour lesson per week for four terms (one-quarter course credit); \$300 for one hour-long lesson per week for four terms (one-half course credit). These fees are the same for lessons on secondary instruments. Piano lessons leading toward the passing of the piano proficiency exam are \$100 for one half-hour lesson per week for four terms (one-quarter course credit).

Non-Music Majors: \$350 for one half-hour lesson per week for four terms (one-quarter course credit). The fee is the same for lessons on secondary instruments.

Recipients of Music Scholarships and Awards will not be charged for lessons on their principal (scholarship audition) instrument.

Music Lessons at Cornell:

Students register for Solo Performance courses (music lessons) at the beginning of Term One and Term Five. These courses are taught over four consecutive terms. Registration entails additional costs (see Music Lessons, Fees*). Students may withdraw from these courses only during the first of the four terms. If a student withdraws from a Solo Performance course during the drop period, he or she will be charged only for the lessons scheduled between the beginning of the course and the date when the course is officially dropped and no entry concerning the course will appear on the student's transcript. After the drop period has passed, if a student ceases to attend, a grade of F will appear on the student's transcript and the student will be billed for the full semester charge. All music scholarship students must be enrolled in music lessons to retain their scholarships. For students graduating before 2017: after a student has earned more than one course credit in the continuing study of the same instrument, he or she may count the additional credits toward the fulfillment of the general B.A. requirement for a minimum of eight courses numbered in the 300s or 400s. All students enrolled in lessons are automatically enrolled in MUS 701 (Music Performance Seminar). Please see course description above.

Philosophy, B.A.

Paul Gray, Genevieve Migely (chair), Jim White

Essential to a liberal education is the ability to think, to detect bad arguments and evidence, to see more than one side of a matter and to decide which is best, to construct a coherent case, and to make words perform their tasks with clarity and precision. These principles, along with a concern for representing the principal areas of philosophical inquiry, and an emphasis on the careful, creative, and critical reading of important philosophical texts, guide the Department in planning its curriculum.

Requirements

A minimum of nine course credits, which include

- PHI 111 - Introduction to Philosophy (1)
- PHI 202 - Ethics (1)
- PHI 203 - Logic and Critical Thinking (1) **OR** PHI 204

Two Courses Selected from

- PHI 302 - Ancient Philosophy (1)
- PHI 304 - Modern Philosophy: Seventeenth Century (1)
- PHI 305 - Modern Philosophy: Eighteenth Century (1)
- PHI 306 - Modern Philosophy: Nineteenth Century (1)
- PHI 308 - Twentieth Century Philosophy (1)

Senior Seminar in Philosophy (capstone experience)

- PHI 485 - Advanced Seminar in Philosophy (1)

Three Additional Courses in Philosophy, at least two of which must be at the 300 level:

- PHI ____
- PHI 3__
- PHI 3__

Physics, B.A.

Kara Beauchamp (chair), Brian Johns, Niloofar Kamran, Derin Sherman

Requirements

- CSC 140 - Foundations of Computer Science (1)
- EGR 270 - Electronic Instrumentation (1)
- MAT 120 - Calculus of a Single Variable Part II (1) **OR** MAT 121 - Calculus of a Single Variable (1)
- MAT 122 - Calculus of Several Variables (1)
- MAT 221 - Linear Algebra (1)
- MAT 236 - Differential Equations (1)
- PHY 161 - General Physics I (1)
- PHY 162 - General Physics II (1)
- PHY 263 - Laboratory Physics (1)
- PHY 312 - Advanced Experimental Physics (1)
- Three additional course credits in Physics at or above the 300 level, for a minimum of 14 courses

Students Planning for Graduate Work in Physics or Engineering

Should include

- PHY 305 - Waves (1)

- PHY 321 - Mechanics (1)
- PHY 322 - Electricity and Magnetism (1)
- PHY 334 - Introduction to Quantum Mechanics (1)

Note:

Students planning for graduate work are also strongly encouraged to take MAT 234 - Complex Variables (1), and CHE 323 - Physical Chemistry I (1) and CHE 324 - Physical Chemistry II (1).

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach science should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Capstone:

Physics majors conduct individual experimental projects of their own design in small groups during the advanced lab course. Following the advanced lab, students will conduct a literature search on the background of their experiment in more depth and then write an individualized paper, with emphasis on their particular contribution to the project. The paper must be submitted to their capstone advisor no later than two blocks after the start of the advanced lab. The student will revise the paper until it is accepted by the department. If it appears that the student is making insufficient progress towards the completion of the individual paper, then the student and Registrar will be notified that the student is in danger of not completing the major requirements. Once the paper is approved, students are then required to present their findings in a public presentation. If the presentation is judged unacceptable, then the student will have the opportunity to give another presentation privately to the department.

The Physics curriculum facilitates a wide range of interests from professional to cultural; graduate work in physics, astronomy, geophysics, medicine, meteorology, environmental engineering, business administration, law, health physics, and computer science. B.S.S. candidates and students contemplating an individualized major in the physical sciences are invited to discuss possible curricula with the Department.

Note:

PHY 116, PHY 121, PHY 123, and PHY 125 have no formal prerequisites; PHY 141 and PHY 142 ask only reasonable facility in algebra and trigonometry.

Politics, B.A.

Hans Hassell, Aparna Thomas, David Yamanishi (chair)

A minimum of 10 courses distributed as follows:

- At least one course in Political Thought
- At least two courses in International Relations and Comparative Government (at least one at the 300 level)
- At least two courses in American Politics and Public Policy (at least one at the 300 level)
- One course in statistics: STA 201 or STA 348
- POL 230
- Two additional courses above the 100 level one of which must be at the 300 level

- As the capstone for the major, POL 348 , or, for qualified students, course credit for an independent project directed toward pursuit of departmental honors

The Department strongly encourages students to participate in an internship or comparable off-campus program while at Cornell.

Note:

Majors who have a special interest in legislative and electoral politics should take POL 262, POL 280/POL 380, POL 325, POL 363, and POL 364. Politics courses of particular value to pre-law students include POL 222, POL 250, 262, POL 325, POL 361 , POL 364, POL 365, and POL 366. Law schools will accept majors in any academic discipline.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Psychology - Behavioral Neuroscience Concentration, B.A.

Suzette Astley, William Dragon (chair), Carolyn Enns, Alice Ganzel, Melinda Green, Steven Neese

Requirements

A minimum of 13 courses, and one of three concentrations listed below. In addition, a minimum of two 300-level courses must be included within the concentration excluding PSY 380, PSY 390, PSY 392, PSY 395, PSY 483, PSY 511 and PSY 512. Research Methods I (PSY 292) should be completed by the end of the sophomore year for all majors who are sophomores or younger beginning in August of 2015. Research Methods II (PSY 392) should be completed by the end of the junior year for all majors in the Specialist or Scientist concentrations who are sophomores or younger beginning in August of 2015. Statistics (STA 201 or STA 347-STA 348) must be taken before Research Methods II (PSY 392), and PSY 392 must be completed no later than the end of the junior year and before PSY 483.

Note: Students must take a 200-level course before enrolling in any 300-level course.

Behavioral Neuroscience Concentration

This program of study is recommended for students who are considering graduate study in Behavioral Neuroscience, biological subfields of psychology, as well as for those interested in neuroscience or health-related careers.

Five Foundation Courses for All Majors

- PSY 161 - Fundamentals of Psychological Science (1)
- PSY 292 - Research Methods I (1)
- PSY 392 - Research Methods II (1)
-Must be taken before Senior Seminar
- PSY 363 - Introduction to Behavioral Neuroscience (1)

- STA 201 - Statistical Methods I (1) **OR** STA 347 - Mathematical Statistics I (1) - STA 348 - Mathematical Statistics II (1)

One Course in Psychology

Selected from

- PSY 245 - Lifespan Development (1)
- PSY 274 - Social Psychology (1)
- PSY 276 - Multicultural Psychology (1)
- PSY 279 - Personality Theories (1)
- PSY 282 - Abnormal Psychology (1) (formerly 381)
- PSY 382 - Counseling and Psychotherapy (1)

One Course in Experimental Psychology

Selected from

- PSY 361 - Cognitive Neuroscience (1) (formerly 272)
- PSY 362 - Learning (1) (formerly 273)
- PSY 370 - Memory and Cognition (1)

One Course in Biological Processes

Selected from

- PSY 344 - Social Neuroscience (1)
- PSY 378 - Abnormal Behavioral Neuroscience (1)
- PSY 383 - Health Psychology and Behavioral Medicine (1)
- Relevant topics courses in psychology with departmental approval

Capstone Course:

- PSY 483 - Senior Seminar (1)

Four Courses in Biology and Chemistry that must include:

- BIO 141 - Foundations: Cellular Biology (1)
- CHE 121 - Chemical Principles I (1) **OR** CHE 161 - Accelerated General Chemistry (1)
- The two additional courses in Biology or Chemistry must be above the BIO 141 and CHE 121 levels. These additional courses should be consistent with the student's overall plan of study and should be selected in consultation with their Psychology advisor.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Psychology - Psychological Services Concentration, B.A.

Suzette Astley, William Dragon (chair), Carolyn Enns, Alice Ganzel, Melinda Green, Steven Neese

Requirements

A minimum of 13 courses, and one of three concentrations listed below. In addition, a minimum of two 300-level courses must be included within the concentration excluding PSY 380, PSY 390, PSY 392, PSY 395, PSY 483, PSY 511 and PSY 512. Research Methods I (PSY 292) should be completed by the end of the sophomore year for all majors who are sophomores or younger beginning in August of 2015. Research Methods II (PSY 392) should be completed by the end of the junior year for all majors in the Specialist or Scientist concentrations who are sophomores or younger beginning in August of 2015. Statistics (STA 201 or STA 347-STA 348) must be taken before Research Methods II (PSY 392), and PSY 392 must be completed no later than the end of the junior year and before PSY 483.

Note: Students must take a 200-level course before enrolling in any 300-level course.

Psychological Services Concentration:

This program of study prepares students for entry-level work in psychological and human services following the completion of their undergraduate degree, and provides a foundation for those planning to pursue a master's degree program in an applied area of psychology or a related field. Students who plan to pursue doctoral level graduate study in psychology or related fields are strongly urged to complete the Psychology Specialist or the Psychological Scientist concentration.

Three Foundation Courses:

- PSY 161 - Fundamentals of Psychological Science (1)
- PSY 292 - Research Methods I (1)
- STA 201 - Statistical Methods I (1) **OR** STA 347 - Mathematical Statistics I (1) - STA 348 - Mathematical Statistics II (1)

One Course on Theoretical Foundations for Practice

Selected from

- PSY 279 - Personality Theories (1)
- PSY 282 - Abnormal Psychology (1) (formerly 381)

One Course in Developmental Psychology

Selected from

- PSY 245 - Lifespan Development (1)
- PSY 277 - Child Development (1)
- PSY 278 - Adolescence (1)
- PSY 386 - Adult Development and Aging (1)

One Course Relevant to Diversity

Selected from

- PSY 276 - Multicultural Psychology (1)
- PSY 374 - Psychology of Women and Gender (1)
- EDU 240 - Education and Culture (1)
- EST 123 - Introduction to Ethnic Studies (1)
- GSS 171 - Gender, Power, and Identity (1)

One Course in an Area of Practice or Applied Psychology

Selected from

- PSY 283 - Abnormal Child/Adolescent Psychology (1) (formerly 377)
- PSY 379 - Intimate Relationships (1)
- PSY 382 - Counseling and Psychotherapy (1)
- PSY 383 - Health Psychology and Behavioral Medicine (1)
- Relevant topics courses

Two Elective Courses in Psychology

Capstone Experience

- PSY 395 - Human Services Practicum and Seminar (1) **OR** PSY 483 - Senior Seminar (1)

Three Courses in the Wider Context Selected from:

- ANT 101 - Cultural Anthropology (1)
- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- EDU 215 - Educational Psychology (1)
- EDU 230 - Exceptional Learner (1)

- EDU 240 - Education and Culture (1)
- EST 123 - Introduction to Ethnic Studies (1)
- PHI 202 - Ethics (1)
- POL 111 - Introduction to Politics (1)
- POL 172 - American Politics (American Politics & Public Policy) (1)
- POL 182 - Public Policy (American Politics & Public Policy) (1)
- REL 222 - Religions of the World (1)
- SOC 101 - Sociological Thinking (1)
- SOC 273 - Families in a Social Context (1)
- SOC 348 - Race and Ethnic Relations (1)
- SOC 365 - Sexualities (1)
- SOC 367 - Self and Identity (1)
- GSS 171 - Gender, Power, and Identity (1)

Note:

Depending on the specific programs of students, other courses may be considered on a case by case basis.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Psychology - Psychology Specialist Concentration, B.A.

Suzette Astley, William Dragon (chair), Carolyn Enns, Alice Ganzel, Melinda Green, Steven Neese

Requirements

A minimum of 13 courses, and one of three concentrations listed below. In addition, a minimum of two 300-level courses must be included within the concentration excluding PSY 380, PSY 390, PSY 392, PSY 395, PSY 483, PSY 511 and PSY 512. Research Methods I (PSY 292) should be completed by the end of the sophomore year for all majors who are sophomores or younger beginning in August of 2015. Research Methods II (PSY 392) should be completed by the end of the junior year for all majors in the Specialist or Scientist concentrations who are sophomores or younger beginning in August of 2015. Statistics (STA 201 or STA 347-STA 348) must be taken before Research Methods II (PSY 392), and PSY 392 must be completed no later than the end of the junior year and before PSY 483.

Note: Students must take a 200-level course before enrolling in any 300-level course.

Psychology Specialist Concentration

This program of study provides a broad foundation in psychology and prepares students for careers and graduate study in a wide variety of psychology subfields. It allows for specialization through the careful selection of psychology elective courses and courses in the wider context (see advisor for recommendations).

Four Foundation Courses for All Majors

- PSY 161 - Fundamentals of Psychological Science (1)
- PSY 292 - Research Methods I (1)
- PSY 392 - Research Methods II (1) -Must be taken before Senior Seminar
- STA 201 - Statistical Methods I (1) **OR** STA 347 - Mathematical Statistics I (1) - STA 348 - Mathematical Statistics II (1)

One Course in Personality/Social Psychology

Selected from

- PSY 274 - Social Psychology (1)
- PSY 276 - Multicultural Psychology (1)
- PSY 279 - Personality Theories (1)
- PSY 282 - Abnormal Psychology (1) (formerly 381)
- PSY 382 - Counseling and Psychotherapy (1)

One Course in Experimental Psychology

Selected from

- PSY 361 - Cognitive Neuroscience (1) (formerly 272)
- PSY 362 - Learning (1) (formerly 273)
- PSY 370 - Memory and Cognition (1)

One Course in Developmental Psychology

Selected from

- PSY 245 - Lifespan Development (1)
- PSY 277 - Child Development (1)
- PSY 278 - Adolescence (1)
- PSY 386 - Adult Development and Aging (1)

One Course in Biological Processes

Selected from

- PSY 363 - Introduction to Behavioral Neuroscience (1) (formerly 281)
- PSY 344 - Social Neuroscience (1)
- PSY 378 - Abnormal Behavioral Neuroscience (1)
- PSY 383 - Health Psychology and Behavioral Medicine (1)
- Relevant topics courses in psychology

Two Elective Courses in Psychology

Capstone Course:

- PSY 483 - Senior Seminar (1)

Two Courses in the Wider Context Selected from:

- ANT 101 - Cultural Anthropology (1)
- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- EDU 215 - Educational Psychology (1)
- EDU 230 - Exceptional Learner (1)
- EDU 240 - Education and Culture (1)
- EST 123 - Introduction to Ethnic Studies (1)
- PHI 202 - Ethics (1)
- POL 111 - Introduction to Politics (1)
- POL 172 - American Politics (American Politics & Public Policy) (1)
- POL 182 - Public Policy (American Politics & Public Policy) (1)
- REL 222 - Religions of the World (1)
- SOC 101 - Sociological Thinking (1)
- SOC 273 - Families in a Social Context (1)
- SOC 348 - Race and Ethnic Relations (1)
- SOC 365 - Sexualities (1)
- SOC 367 - Self and Identity (1)
- GSS 171 - Gender, Power, and Identity (1)

Note:

Depending on the specific programs of students, other courses may be considered on a case by case basis.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Religion, B.A.

Thomas Christopher Hoklotubbe, Michelle Peterson, Steven Sacks (chair)

Requirements

A minimum of nine courses, to include the following:

- REL 101 - Introduction to Religion (1)
- REL 222 - Religions of the World (1)

A Minimum of One Bible Course

Chosen from the following:

- REL 243 - Origins of Israel (1)
- REL 244 - Issues in Hebrew Bible (1)
- REL 251 - Jesus in the Gospels (1)
- REL 252 - The Epistles of Paul (1)

Either

- PHI 203 - Logic and Critical Thinking (1) **OR** PHI 355 - Philosophy of Religion (1)

Capstone Course:

- REL 388 - Seminar in Perspectives on Religion (1)

A Minimum of Four Additional Religion Courses, chosen such that both of the following criteria are met:

- a. All four courses may not come from a single religious tradition, and
- b. At least three of the four must be at the 300 level.

Up to two of the following courses, each with substantial religion-related content, may be included in the nine courses required for the major:

- ANT 210 - Religion, Magic, and Witchcraft (1)
- ANT 308 - Ritual, Symbol, and Behavior (1)
- ART 265 - Arts of the African Diaspora: Latin America and the Caribbean (1)
- ART 361 - Saints and She-Devils (1)
- CLA 216 - Classical Mythology (in English) (1)
- ENG 326 - Milton (1)
- PHI 301 - Asian Philosophy (1)
- PHI 355 - Philosophy of Religion (1)
- SOC 370 - Religion, Spirituality, and Community (1)

Russian Studies, B.A.

Advisor: Robert Givens or Lynne Ikach (chair)

This interdisciplinary major has been designed to prepare the student for graduate school, government employment, or research in the field of Russian Studies. The curriculum encompasses a program of courses in Russian language, history, literature, and related fields. Students are encouraged to participate in at least one of the various programs that offer language study in Russia.

Requirements

A minimum of seven course credits, at or above the 300 level, which include

- RUS 301 - Composition and Conversation (1)
- RUS 302 - Contemporary Currents (1) **OR** RUS 303 - Language in Context (1)
- RSS 485 - Senior Capstone (1)

Five Courses Selected from

(At least two of which must be courses in Russian history)

- HIS 321 - Muscovite and Imperial Russia (1)
- HIS 322 - Revolutionary and Soviet Russia (1)
- HIS 323 - Russia from 1941 (1)
- PHI 307 - Marx and Marxism (1)
- POL 327 - Revolutionary Political Thought (1)
- Courses in the Russian Program at or above the 300 level.

The Following Courses are also Recommended:

- ECB 223 - International Economics (1)
- POL 142 - International Politics (International Relations & Comparative Government) (1)

Note:

A major in Russian is also offered; however, *students may not major in both Russian and Russian Studies.*

Slavic Studies:

For study in Russia, see

- RSS 384 - Russia Today (1)

Russian, B.A.

Requirements

A minimum of seven course credits in Russian at or above the 300 level, which include

- RUS 301 - Composition and Conversation (1) **OR** RUS 303 - Language in Context (1)
- At least two courses in Russian literature
- RUS 485 - Senior Capstone (1)

A maximum of two courses in Russian history may be applied toward the major:

- HIS 321 - Muscovite and Imperial Russia (1)
- HIS 322 - Revolutionary and Soviet Russia (1)
- HIS 323 - Russia from 1941 (1)

Note:

A major in Russian Studies is also offered; however, students may not combine a major in Russian with the interdisciplinary major in Russian Studies.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach Russian should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Sociology and Anthropology, B.A.

Tori Barnes-Brus (chair), Erin Davis, Mary Olson, Misha Quill

Requirements

An interdisciplinary major with a minimum of 11 course credits in Sociology and Anthropology, which include

- SOC 101 - Sociological Thinking (1) **OR** SOC 102 - Topics in Sociological Thinking (1)
- ANT 101 - Cultural Anthropology (1)
- SOC 484 - Research Design and Data Analysis (1) **OR** ANT 484 - Qualitative Research Methods and Fieldwork (1)
- SOC 483 - Sociological Theory (1) **OR** ANT 483 - The History of Ethnological Theory (1)
- SOC 487 - SOC/SAN Senior Seminar (1)
- Six other courses, of which at least two are in each discipline, and of which at least three are at or above the 300 level.

Note:

No more than two course credits in individualized research (one in Sociology and one in Anthropology), and no more than three 100-level courses may be counted toward the total of 10 course credits.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Note:

Students may not combine this joint major in Sociology and Anthropology with a Sociology major, an individualized major in Anthropology, or a Sociology or Anthropology minor.

Sociology, B.A.

Tori Barnes-Brus (chair), Erin Davis, Mary Olson, Misha Quill

Requirements

A minimum of eleven course credits. Ten in Sociology, which include

- SOC 101 - Sociological Thinking (1) **OR** SOC 102 - Topics in Sociological Thinking (1)
- SOC 483 - Sociological Theory (1)
- SOC 484 - Research Design and Data Analysis (1)
- SOC 487 - SOC/SAN Senior Seminar (1)

A Minimum of Three 300-Level Courses

One Statistics Course

- STA 201 - Statistical Methods I (1) **OR** STA 347 - Mathematical Statistics I (1) - STA 348 - Mathematical Statistics II (1)

One Course Credit in Individualized Research May Count Toward the Major

- SOC 290 - Independent Study (1) **OR** SOC 390 - Independent Study (1) **OR** SOC 485 - Readings/Research in Sociology (1/2-1)

One Course Credit in Internship May Count Toward the Major.

- SOC 280 - Internship (1) **OR** SOC 380 - Internship (1)

Students planning to attend graduate school are encouraged to include an individual research project in their major

- SOC 290 - Independent Study (1) **OR** SOC 390 - Independent Study (1) **OR** SOC 485 - Readings/Research in Sociology (1/2-1)

Students planning careers in human services are encouraged to include an internship in their major

- SOC 280 - Internship (1)
- SOC 380 - Internship (1)

Note:

Students may not combine a major in Sociology with the joint major in Sociology and Anthropology.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach social studies should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Spanish, B.A.

Requirements

A minimum of eight course credits in Spanish at or above the 300 level, which include

- SPA 301 - Advanced Grammar and Composition (1)
- SPA 311 - Introduction to Textual Analysis (1)
- SPA 411 - Seminar (1) **OR** SPA 412 - Advanced Field Research in Spanish (1)

Two Elective Courses

In Spanish or in other areas approved by the Department as relevant to the Spanish major

At least one course in each of the following concentrations:

Literatures and Cultures of Spain:

- SPA 320 - Madrid: Pop of Culture (1)
- SPA 323 - Sex, Gore and the Power of the Pen: 16th and 17th Century (Con)Textual Relationships (1)
- SPA 325 - Collateral Cultures: Voices from the Periphery (1)

Latin American and Caribbean Literatures and Cultures:

- SPA 350 - Identity and Alterity in Latin American Literature (1)
- SPA 353 - Revolution and Resistance in Caribbean Literature and Culture (1)
- SPA 357 - The Boom and Post-Boom in Latin America (1)

Hispanic and U.S./Latino Literatures and Cultures:

- SPA 385 - Latin American Culture and Civilization (1)
- SPA 383 - Latinos in the U.S. (1)
- SPA 384 - Women in the Hispanic World (1)

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach Spanish should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Studio Art, B.A.

Susannah Biondo-Gemmell (chair), Christina Penn-Goetsch, Anthony Plaut

The offerings in the Department of Art and Art History are designed for the major who is involved in the production of art and the study of art history, the major intending to teach art, and the non-major who wishes to develop insight into the fields of studio art and art history.

Requirements

A minimum of 12 course credits in art and art history, which include the following courses:

Three Course Credits in Art History [AH]

One of which must be:

- ART 260 - Modern Art (1)
- ART 264 - African American Art: Intersectionality in the United States (1)

Five Course Credits in Studio Art [SA]

One Additional Course in Studio Art [SA] or Art History [AH]

Studio Art Seminar

To be taken in the senior year

- ART 483 - Studio Art Seminar (1)

Advanced Studio Tutorial and Senior Thesis

To be taken in the senior year

- ART 391 - Advanced Studio Tutorial (1)
- ART 487 - Senior Thesis (1)

Note:

Four of the above 12 courses must be at or above the 300 level. ART 371 may not be counted toward the major. Transfer students must take a minimum of six courses, including ART 391, ART 483 and ART 487, from the Cornell College Department of Art and Art History.

Teaching Certification:

Students who are interested in pursuing K-12 certification to teach art should seek admission to the Teacher Education Program. See the Education department section for application and certification information.

Theatre & Dance, B.A.

Scott Olinger (chair), Caroline Price, Alvon Reed, Janeve West

Requirements

- THE 115 - Basic Acting (1) **OR** THE 216 - Voice and Movement (1) **OR** THE 310 - Acting Studio (1)
- THE 216 - Voice and Movement (1) **OR** THE 310 - Acting Studio (1)
- THE 107 - Stagecraft (1) **OR** THE 108 - Costume Construction (1)
- THE 201 - Play Analysis (1)
- THE 311 - Directing I (1)
- THE 346 - Theatre of Ritual, Reverence, Revelry and Revolt (1)
- THE 347 - Theatre of Resistance (1)

Two Credits

Comprised of eight participation quarter-credit courses as follows:

At Least One Quarter-Credit of

- THE 715 - The Rehearsal Process (1/4)

At Least Two Quarter-Credits of

- THE 750 - General Production Practicum (1/4) (taken as early as possible)

At Least One Quarter-Credit of

- THE 751 - Scenery and Props (1/4) **OR** THE 752 - Costumes and Make-up (1/4) **OR** THE 753 - Lighting and Sound (1/4) **OR** THE 754 - Theatre Administration (1/4)

The Remaining Four Quarter-Credits

Earned at the election of the student from any of the following:

- THE 715 - The Rehearsal Process (1/4)
- THE 750 - General Production Practicum (1/4)
- THE 751 - Scenery and Props (1/4)
- THE 752 - Costumes and Make-up (1/4)
- THE 753 - Lighting and Sound (1/4)
- THE 754 - Theatre Administration (1/4)

Three other Full-Credit Courses from the Theatre Department

At least one of these three courses must be at or above the 300 level.

One of the Following Courses may be Substituted:

- CLA 364 - Masterpieces of Greek and Roman Theatre (1)
- ENG 240 - Theatre, Architecture, and the Arts in Great Britain (1)
- ENG 323 - Shakespeare I: Comedies and Romances (1)
- ENG 324 - Shakespeare II: Histories and Tragedies (1)
- ENG 327 - Shakespeare after Shakespeare: Performance and Cultural Criticism (1)

Capstone Experience:

"A Capstone Experience is designed to bring reflection, focus, and celebration to one's study in theatre. To fulfill the capstone experience, theatre majors must propose to and have approved by the department of theatre their capstone experience prior to the end of the fall semester of their senior year. These experiences may take place sometime between the end of their junior year and

their graduation. Capstone experiences may take the form of an advanced project, an independent study, a production assignment, an internship, a course, a performance, or some other endeavor taking place on or off campus. Such an experience need not be done for credit."

Bachelor of Music

Music Education, B.Mus.

General Requirements for the Bachelor of Music Degree

A Minimum of 31 Course Credits

No more than two 100-level courses may be taken in the senior year without the permission of the Academic Standing Committee. No more than four All-College Independent Study course credits may be counted toward satisfying the minimum credit requirement for this degree. No more than two full credit in 500-level adjunct courses may be counted toward satisfying the minimum 31 credits.

- MUS 280 - Internship (1) **OR** MUS 380 - Internship (1)
- MUS 289 **OR** MUS 389
- MUS 290 - Independent Study (1) **OR** MUS 390 - Independent Study (1)
- MUS 297 **OR** MUS 397
- MUS 390 - Independent Study (1)
- MUS 299 **OR** MUS 399

A Cumulative Grade Point Average of 2.0 or Higher

A Minimum of 10 Courses from Outside the Music Department

To include a writing-designated course (W) and three humanities courses (not counting the W course) from at least two of the following groupings: (1) English and Foreign Language; (2) History; (3) Philosophy; (4) Religion; (5) Art or Theatre; and (6) Education.

Music Theory:

- MUS 110 - Music Theory I (1)
- MUS 210 - Music Theory II (1)
- MUS 310 - Music Theory III (1)
- MUS 343 - Music Theory IV (1)

Music History:

- MUS 321 - History of Western Music I (1)
- MUS 322 - History of Western Music II (1)
- MUS 323 - History of Western Music III (1)

One Elective Course Credit in Music History or Theory

Selected from

- MUS 213-MUS 275
- MUS 315 - Jazz Arranging (1)
- MUS 348-MUS 366
- MUS 370 - Special Topic: Tradition and Innovation (1)

Receive a Passing Grade (P) for a Minimum of Five Semesters

(see "Music Performance Seminar")

- MUS 701 - Music Performance Seminar (Zero Course Credit)

A Grade of "Pass" on All Parts of the Piano Proficiency Requirement

All majors are required to pass the Piano Proficiency Requirement by the end of the sophomore year. Music Education majors must pass the Piano Proficiency Requirement before application for Student Teaching placement.

A Grade of "Pass" on All Parts of the Aural Skills Proficiency Requirement

Music Education majors must pass the Aural Skills Proficiency requirement before application for Student Teaching Placement.

(Four levels)

Music Ensemble

At least one music ensemble each semester for eight semesters, as arranged by the student, the faculty advisor, and the ensemble conductor (see "Ensemble Participation").

Completion of a Senior Capstone Experience

There are Three Categories from Which to Choose:

Recital

- MUS 798 - Half Recital (1/2)
- MUS 799 - Full Recital (1)

Student Teaching

Paper/Project

- MUS 485 - Independent Study in Music (1)

Note:

Students may choose more than one of these options. Students who plan to complete MUS 485 as their capstone must submit a description of the proposed project for departmental approval by October 1 of their senior year.

Requirements

Three Course Credits in a Primary Performance Medium

Either voice or a keyboard, string, percussion, or wind instrument.

One-and-One-Half Course Credits in Secondary Performance Media

To include

- MUS 703 - Brass Instrumental Techniques (1/4)
- MUS 704 - Percussion Instrumental Techniques (1/4)
- MUS 705 - Strings Instrumental Techniques (1/4)
- MUS 706 - Woodwinds Instrumental Techniques (1/4)
- MUS 708 - Guitar Instrumental Techniques (1/4) **OR** MUS 774 - Guitar (1/4)

Note:

The remaining 1/4 credit may be fulfilled by repeating one of these courses, or (with the approval of the department) by taking MUS 761.

The Following Courses, According to Emphasis within the Major:

General Music Education:

- MUS 207 - Vocal Diction (1)
- MUS 308 - Vocal Pedagogy (1/2)

Instrumental Music Education:

At least one semester of

- MUS 712 - Choir (1/4)

Vocal Music Education:

- MUS 207 - Vocal Diction (1)
- MUS 308 - Vocal Pedagogy (1/2)

In Addition to the Foregoing Requirements

Prospective teachers must also apply for admission to the Teacher Education Program (preferably at the start of their sophomore year) and complete coursework for elementary certification and /or secondary certification as described under Education. Prospective teachers should request a current list of the specific course requirements from the Education Office.

Please note: Music Education Majors must pass the Piano Proficiency and Aural Skills Proficiency Requirements before applying for Student Teaching placement.

Music Performance, B.Mus.

Lisa Hearne (chair), Martin Hearne, James Martin, Jama Stilwell, Aaron Perrine

Cornell College offers a major in Music within the framework of the Bachelor of Arts and Bachelor of Special Studies degrees. The Department of Music oversees the Bachelor of Music degree, with majors either in Performance or in Music Education (see Bachelor of Music Degree, alongside the Bachelor of Arts Degree under Degree Programs). The Bachelor of Arts allows the student with a strong interest in music the opportunity to explore various musical pursuits within the general liberal arts program of the College. Instruction in a performing medium and participation in solo performance and ensemble courses are required components of the B.A. Music major.

General Requirements for the Bachelor of Music Degree

A Minimum of 31 Course Credits

No more than two 100-level courses may be taken in the senior year without the permission of the Academic Standing Committee. No more than four All-College Independent Study course credits may be counted toward satisfying the minimum credit requirement for this degree. No more than two full credit in 500-level adjunct courses may be counted toward satisfying the minimum 31 credits.

- MUS 280 - Internship (1) **OR** MUS 380 - Internship (1)
- MUS 289 **OR** MUS 389
- MUS 290 - Independent Study (1) **OR** MUS 390 - Independent Study (1)
- MUS 297 **OR** MUS 397
- MUS 390 - Independent Study (1)
- MUS 299 **OR** MUS 399

A Cumulative Grade Point Average of 2.0 or Higher

A Minimum of 10 Courses from Outside the Music Department

To include a writing-designated course (W) and three humanities courses (not counting the W course) from at least two of the following groupings: (1) English and Foreign Language; (2) History; (3) Philosophy; (4) Religion; (5) Art or Theatre; and (6) Education.

Music Theory:

- MUS 110 - Music Theory I (1)
- MUS 210 - Music Theory II (1)
- MUS 310 - Music Theory III (1)
- MUS 343 - Music Theory IV (1)

Music History:

- MUS 321 - History of Western Music I (1)
- MUS 322 - History of Western Music II (1)
- MUS 323 - History of Western Music III (1)

One Elective Course Credit in Music History or Theory

Selected from

- MUS 213-MUS 275
- MUS 315 - Jazz Arranging (1)
- MUS 348-MUS 366
- MUS 370 - Special Topic: Tradition and Innovation (1)

Receive a Passing Grade (P) for a Minimum of Five Semesters

(see "Music Performance Seminar")

- MUS 701 - Music Performance Seminar (Zero Course Credit)

A Grade of "Pass" on All Parts of the Piano Proficiency Requirement

All majors are required to pass the Piano Proficiency Requirement by the end of the sophomore year. Music Education majors must pass the Piano Proficiency Requirement before application for Student Teaching placement.

A Grade of "Pass" on All Parts of the Aural Skills Proficiency Requirement

Music Education majors must pass the Aural Skills Proficiency requirement before application for Student Teaching Placement.

(Four levels)

Music Ensemble

At least one music ensemble each semester for eight semesters, as arranged by the student, the faculty advisor, and the ensemble conductor (see "Ensemble Participation").

Completion of a Senior Capstone Experience

There are Three Categories from Which to Choose:

Recital

- MUS 798 - Half Recital (1/2)
- MUS 799 - Full Recital (1)

Student Teaching

Paper/Project

- MUS 485 - Independent Study in Music (1)

Note:

Students may choose more than one of these options. Students who plan to complete MUS 485 as their capstone must submit a description of the proposed project for departmental approval by October 1 of their senior year.

Requirements

Students who intend to major in Performance must audition before the Department of Music by the second semester of their sophomore year.

Four Course Credits in a Primary Performance Medium

Either voice or a keyboard, string, percussion, or wind instrument.

One Course Credit in Piano

Or another secondary performance medium selected in consultation with the department.

Voice Majors

- MUS 302 - Song Literature (1) **OR** MUS 304 - Literature of the Major Instrument (1)
- MUS 306 - Conducting I (1)
- MUS 207 - Vocal Diction (1)
- MUS 308 - Vocal Pedagogy (1/2)

Organ Majors

- MUS 303 - Service Playing and Arranging (1)

Piano Majors

- MUS 307 - Piano Pedagogy (1/2)

Junior Year and Senior Year

- MUS 798 - Half Recital (1/2) (junior year)
- MUS 799 - Full Recital (1) (senior year)

Language Requirement

Select one of the following courses or an equivalent

- ARA 205
- FRE 205 - Intermediate French (1)
- GER 205 - Intermediate German: Topics-German Cultures (1)
- GRE 205 - Introduction to Greek Literature and Culture (1)
- LAT 205 - Introduction to Latin Literature and Culture (1)
- RUS 205 - Intermediate Russian (1)
- SPA 205 - Topics and Encounters in Hispanic Cultures (1)

Bachelor of Science

Bachelor of Science in Engineering, B.S.E.*

Admission Requirements for the Bachelor of Science in Engineering:

A student may become a candidate for the Bachelor of Science in Engineering once the student has:

- completed 7 courses with a GPA of at least 2.0
- been granted course credit with a grade of at least C- (or been granted exemption or credit by exam) in EGR 131, MAT 120 or MAT 121, PHY 161, and one other EGR course that counts towards the Engineering major.

General Requirements

1. A minimum of 31 course credits. No more than two 100-level courses may be taken in the senior year without the permission of the Academic Standing Committee. No more than two All-College Independent Study course credits (280/380, 290/390/490, 296/396/496) may be counted toward satisfying the minimum credit requirement for this degree. No more than two full credits in 500-level adjunct courses may be counted toward satisfying the minimum 31 credits.

2. A cumulative grade point average of 2.0 or higher.

3. A major in Engineering.

4. First-year Program (these courses do not count toward the distribution requirement):

a. **FIRST-YEAR SEMINAR:** Enrollment in any course with an "FYS" designation on the Course Schedule, during the first Block of the first year. Specific goals for these courses can be found here.

b. **FIRST-YEAR WRITING COURSE:** Any course with a "W" designation on the Course Schedule, taken in the first year. Specific goals for these courses can be found here.

5. **Distribution Requirements:** Eight courses outside Mathematics and Statistics, Engineering, Computer Science, and the Natural Sciences, including the following general education requirements: [Courses in this Catalogue that satisfy, wholly or partially, general education requirements are identified by a parenthesis near the end of the course description, e.g., (Humanities) or (Social Science). Courses not so marked do not meet these requirements even though there may be other courses in the same department that do.]

a. **FINE ARTS:** One course (or the equivalent in half or quarter credits) chosen from the following disciplines: Art, English, Music, Dance, and Theatre.

b. **HUMANITIES:** Two courses chosen from two of the following disciplines: English, Foreign Language, History, Philosophy, Religion, Art History, Music, Theatre, or Education.

c. **SOCIAL SCIENCE:** One course chosen from the following disciplines: Anthropology, Economics and Business, Education, Kinesiology, Politics, Psychology, or Sociology.

d. **FOREIGN LANGUAGE:** Credit in French, German, Greek, Japanese, Latin, Russian, or Spanish 102; international students whose native language is other than English satisfy this requirement through completion of or exemption from the English as a Second Language program

Engineering Major Requirements

A minimum of 20 course credits distributed in the following areas:

Natural Science:

- PHY 161 - General Physics I (1) **AND** PHY 162 - General Physics II (1)
- CHE 121 - Chemical Principles I (1) **OR** CHE 161 - Accelerated General Chemistry (1)

- One additional science course chosen from one of the following departments or majors: Biology, Chemistry, Environmental Studies, Geology, or Physics. All of the courses used to fulfill the requirement must be designated Science, Laboratory Science, or Mathematics and be acceptable for the minimal major in the offering department.

Mathematics:

- Completion of the calculus sequence (through MAT 122)
- MAT 221 - Linear Algebra (1)
- MAT 236 - Differential Equations (1)

Engineering:

A minimum of 12 EGR courses, including

- EGR 131 - Introduction to Engineering Design (1)
- EGR 231 - Engineering Mechanics (1)
- EGR 270 - Electronic Instrumentation (1)
- EGR 271 - Engineering Thermodynamics (1)
- EGR 311 - Engineering Circuits (1)
- Four additional 300-level EGR courses
- EGR 385 - Engineering Design Project (1) (Capstone course)

*Pending approval by the Higher Learning Committee

Minor

American Politics and Public Policy Minor

Requirements

Three minors are available corresponding to the three subfields in the Department. No course may be counted toward more than one minor under the supervision of the Department of Politics.

A Minimum of Five Course Credits in American Politics and Public Policy

At least three of which must be at the 300 level. An appropriate internship may be substituted for one of the five courses.

Anthropology Minor

There is no departmental major as such. Individualized majors may be developed involving Anthropology and other disciplines, especially Art, Biology, Ethnic Studies, Music, Psychology, and Religion. See Declaration of Degree Candidacy, Majors, and Minors. See also the interdisciplinary major in Sociology and Anthropology and the Teaching Majors in Anthropology and in Sociology and Anthropology.

Requirements

A Minimum of Six Course Credits in Anthropology which Include

- ANT 101 - Cultural Anthropology (1)
- ANT 483 - The History of Ethnological Theory (1)
- ANT 484 - Qualitative Research Methods and Fieldwork (1)

One Area Studies Course

- ANT 205 - The Maya (1)
- ANT 206 - West Indian People and Culture (1)
- ANT 222 - Applied Anthropology (1) when taught in the Bahamas

Two Electives

At least one of which must be at the 300 level.

Note:

The Anthropology minor is not available to students with a Sociology and Anthropology major.

Applied Mathematics Minor

Minor:

Two minors are available, Applied Mathematics and Mathematics. Students who earn a Mathematics major are not eligible for either minor and students may only be awarded one of the two minors.

Requirements

Minimum of five credits. Completion of the calculus sequence (through MAT 122); a minimum of four MAT or STA credits which include

- MAT 221 - Linear Algebra (1)
- MAT 236 - Differential Equations (1)

At Least Two other MAT or STA Course Credits from the Following

Plus topics courses designated as eligible for the Applied Mathematics Minor), and a short reflective essay detailing how the applied math minor has complemented other Cornell courses (MAT 702).

- MAT 234 - Complex Variables (1)
- MAT 357 - Applied Mathematics I (1)
- MAT 358 - Applied Mathematics II (1)
- MAT 485 - Senior Capstone Project (1)
- STA 347 - Mathematical Statistics I (1)

Art History Minor

Minors:

Two minors are available. No courses, except ART 103 and ART 104, may be counted toward more than one minor under the supervision of the Department of Art and Art History. Transfer students must take at least three courses from the Cornell College Department of Art and Art History.

Requirements

A minimum of six course credits in art and art history which include at least four art history courses [AH] and two studio art courses [SA]. Individual projects and tutorials in art history (ART 292 and ART 392) or studio art (ART 291 and ART 391) will *not* be counted toward fulfillment of the minor.

Biology Minor

Requirements

A minimum of seven course credits (six courses if CHE 161 is taken), which include BIO 141, BIO 142 and CHE 121-CHE 122 (or CHE 161).

Students may elect either of the following two ways to complete the minor:

- CHE 225 - Organic Chemistry I (1)
 - BIO 205 - Cell and Molecular Biology (1)
 - BIO 315 - Genetics (1)
- OR**
- BIO 211 - Evolution (1)
 - BIO 321 - Ecology (Wilderness Field Station) (1)
 - One upper-level elective course in Biology

Note:

Environmental Studies majors may receive a minor in Biology by completing the first track, or by completing the second track only if two of the upper-level Biology courses counted toward the minor are not counted toward the Environmental Studies major. Biochemistry/Molecular Biology majors may receive a minor in Biology only by completing the second track with an upper-level elective course chosen from the plant or animal grouping. (See Declaration of Degree Candidacy, Majors, and Minors.)

Business Minor

Requirements

A minimum of 8 course credits, including the following core courses:

- ECB 101 - Macroeconomics (1)
- ECB 102 - Microeconomics (1)
- ECB 151 - Financial Accounting (1)
- STA 201 - Statistical Methods I (1) **OR** STA 348 - Mathematical Statistics II (1)
- ECB 301 - Intermediate Microeconomics (1) **OR** ECB 302 - Intermediate Macroeconomics (1)

At Least One of the Following Quantitative Literacy Courses

To be taken by Block Four of the junior year:

- ECB 225 - Money and Banking (1) **OR** ECB 243 - Investments (1)

At Least One of the Following Capstone Seminar Courses:

- ECB 352 - Financial Management Seminar (1) **OR** ECB 356 - Economics of Organizations Seminar (1)

At Least One Elective from the Following List of Courses:

- ECB 206 - Bonds, Mortgages, and Their Derivatives (1)
- ECB 208 - Health Economics (1)
- ECB 210 - Introduction to Financial Management (1)
- ECB 225 - Money and Banking (1)
- ECB 243 - Investments (1)
- ECB 251 - Introduction to Entrepreneurship (1)
- ECB 311 - Industrial Organization (1)
- ECB 354 - Business Analytics II (1)
- ECB topics courses (ECB 265 -ECB 275 and ECB 365 -ECB 369) as designated by the department

Note:

Students may not minor in Business and major in Economics and Business.

Chemistry Minor

Requirements

A minimum of five course credits in Chemistry, excluding CHE 280 and CHE 380, which include CHE 202 and at least three additional courses numbered 200 or higher.

Note:

Biochemistry/Molecular Biology majors desiring to minor in Chemistry must complete at least two appropriate courses in Chemistry beyond those counted for the Biochemistry/Molecular Biology major. (See Declaration of Degree Candidacy, Majors, and Minors.)

Civic Engagement Minor

Requirements

A minimum of **six course credits** including:

Three Core Courses:

- PHI 202 - Ethics (1)
- SOC 101 - Sociological Thinking (1)
- ANT 101 - Cultural Anthropology (1)
- Any 100 or 200 level Politics course except POL 282 (Public Policy)

One Course in Critical Thinking/Research Methods:

- STA 201 - Statistical Methods I (1)
- PHI 203 - Logic and Critical Thinking (1)

One Course Concerned with Efforts to Address Societal Issues

This category includes courses such as:

- ANT 222 - Applied Anthropology (1)

- ECB 261 - Global Environmental Economics (1)
- ENG 331 - British Literature of the Romantic (1)
- ENG 345 - Late Nineteenth Century American Literature (1)
- ENG 37x - (when the advanced topic is: Southern African Art, Literature, & Culture in Context)
- ENV 101 - Environmental Perspectives (1)
- EST 123 - Introduction to Ethnic Studies (1)
- GSS 393 - Global Feminisms (1)
- HIS 154 - Making of Modern America (1)
- HIS 255 - American Lives (1)
- HIS 354 - U.S. Social History Since 1940 (1)
- PHI 109 - Ethics and Climate Change (FYS) (1)
- PHI 224 - Environmental Ethics (1)
- POL 182 - Public Policy (American Politics & Public Policy) (1)
- POL 330 - Women and Politics: A Cross-National Perspective (International Relations & Comparative Government) (1)
- POL 332 - Human Rights (International Relations & Comparative Government) (1)
- POL 333 - International Organizations (International Relations & Comparative Government) (1)
- POL 334 - Strategies to Alleviate Poverty (International Relations & Comparative Government) (1)
- POL 346 - Political Economy of Developing Countries (International Relations & Comparative Government) (1)
- POL 35x - Education Policy in America
- POL 361 - Race, Sex, and the Constitution (American Politics & Public Policy) (1)
- POL 363 - Campaigns and Elections (American Politics & Public Policy) (1)
- POL 366 - Constitutional Law: Rights and Liberties (American Politics & Public Policy) (1)
- POL 367 - Urban Politics and Policy (American Politics & Public Policy) (1)
- POL 368 - Environmental Politics and Policy (American Politics & Public Policy) (1)
- POL 371 - Wilderness Politics and Policy (American Politics & Public Policy) (1)
- REL 362 - Holocaust and Response (1)
- PSY 276 - Multicultural Psychology (1)
- SOC 248 - American Indians: Culture, Activism, and Social Justice (1)
- SOC 255 - Media and the Public Mind (1)
- SOC 343 - Women: Oppressions and Resistances (1)
- SOC 348 - Race and Ethnic Relations (1)
- SOC 376 - The African American Civil Rights Movement through Film (1)

Note:

- This course may not be double-counted for the student's designated major and the minor in Civic Engagement. A student must choose a course in this category specifically and only for the Civic Engagement Minor.

One Course in Applied Civic Engagement

This category includes courses such as the following when they include a substantive applied civic engagement component:

- CIV 280 - Internship (1)
- CIV 380 - Internship (1)
- ENG 370 - AIDS Literature, Film, and Social Theory (1)

- HIS 240 - Public Memory and Public History (1)
- HIS 364 - Documentary Imagination-Depression (1)
- PSY 380 - Internship (Human Services Practicum) (1/4, 1/2, or 1)
- PSY 395 - Human Services Practicum and Seminar (1)

In Addition to the Course in Applied Civic Engagement

A minimum of **25 noncredit hours of civic engagement involvement over the course of at least two semesters** including volunteering, activism, and other civic engagement opportunities. At the end of each semester, a student is required to submit a reflective essay assessing these experiences in light of their academic minor program to the Civic Engagement Office, the Civic Engagement Committee and his/her faculty advisor for the minor. The Civic Engagement Committee will notify the Registrar once this requirement is completed.

Classical Studies Minor

Requirements

A minimum of five course credits which include two courses in either Latin or Greek at or above the 200 level

One Course Credit

In Greek and Roman literature in English translation

Two Other Courses

Approved for the Classical Studies major.

Computer Science Minor

Requirements

- MAT 120 - Calculus of a Single Variable Part II (1) **OR** MAT 121 - Calculus of a Single Variable (1) **OR** STA 201 - Statistical Methods I (1)

A Minimum of Six Course Credits in Computer Science Which Include

- CSC 140 - Foundations of Computer Science (1)
- CSC 144 - Software Architecture (1)
- CSC 151 - Discrete Mathematics for Computer Science (1)
- CSC 218 - Computer Organization (1)
- CSC 301 - Algorithms and Data Structures (1)
- At least one other 300-level course or CSC 270, excluding Internships, Independent Study, and Original Projects.

English Minor

Requirements

Six courses at 200/300 level to include:

- ENG 201 - Introduction to Literary Studies (1)
- ENG 202 - Introduction to Film Studies (1) **OR** ENG 215 - Introduction to Creative Writing (1)

Three courses

Selected from at least two of the following groups

A)

- ENG 321-ENG 332

B)

- ENG 333-ENG 351
- ENG 361-ENG 372

C)

- ENG 317-ENG 318
- ENG 381 -ENG 383

One Departmental Elective

Environmental Studies Minor

Requirements

One introductory course chosen from the following:

- ENV 101 - Environmental Perspectives (1)
- ECB 261 - Global Environmental Economics (1)
- GEO 105 - Marine Science (1)
- GEO 122 - Climate Change (1)
- PHI 109 - Ethics and Climate Change (FYS) (1)

- PSY 243 - Psychological Insights into Environmental Problems (FYS) (1)
Topics courses (such as BIO 108) will be considered by the program chair on a case-by-case basis

At Least Two of the Following:

- ENV 201 - Environmental Biology (1)
- ENV 202 - Introduction to Environmental Chemistry (1)
- ENV 301 - Hydrogeology (1)

Two courses chosen from the following:

- ENG 350 - American Nature Writers (1)
- ENG 347 - Modern American Literature: Encountering the Wilderness, Literature, and Photo-Writing at the Boundary Waters (Wilderness Field Station, Minnesota) (1)
- ENG 220 - Nature Writing (1)
- PHI 224 - Environmental Ethics (1)
- SOC 320 - Sociology of the Environment (1)

Ethnic Studies Minor

Requirements

A minimum of five course credits in EST which include:

a)EST 123

b) A minimum of one course from the major required courses: ANT 101 , PSY 276 , EDU 240 , GSS 270 , and/or SOC 348.

c) Three electives from the list below, from at least two different divisions. ONLY two of the three additional courses can be counted as major or a minor in other programs. At least two courses must be at the 300-level.

ANT 208	ANT 271	ART 263
ART 264	ART 265	ART 266
ART 363	CLA 230	ENG 351
ENG 367	GER 116	GER 117
HIS 1XX	HIS 241	HIS 255
HIS 350	HIS 354	HIS 356
HIS 369	MUS 220	PHI 301

POL 335	POL 361	POL 367
REL 342	REL 362	RUS 181
SOC 248	SOC 249	SOC 343
SOC 376	SPA 383	SPA 385

French Minor

Requirements

A minimum of five course credits in French at or above the 300 level, which include

- FRE 301 - Composition and Conversation (1)
- FRE 303 - Cultures of France and Francophone World (1) **OR** FRE 302 Francophone Culture Abroad (Advanced)
- FRE 311 - Introduction to Literature in French (1) **OR** FRE 312 - Introduction to French and Francophone Film (1)
- FRE 312 - Introduction to French and Francophone Film (1)

Gender, Sexuality, and Women's Studies Minor

Requirements

A minimum of five and ½ course credits which include:

- GSS 171 - Gender, Power, and Identity (1)
- GSS 270 - Social Justice Perspectives and Practices (1)
- GSS 510 - Gender, Sexuality, and Women's Studies in Action (1/4) (1/2 credit to be earned over two semesters)

Three Additional Courses Selected From

Gender, Sexuality, and Women's Studies courses or other departmental courses approved for Gender, Sexuality, and Women's Studies credit (see list here). Two of these three additional courses may not be counted toward a major in another department or program. At least two courses must be at the 300 level.

Geology Minor

Requirements

A minimum of seven course credits in Geology which include two 100-level geology courses, one of which must either be GEO 111 or GEO 114

- GEO 212 - Mineralogy (1)
- GEO 214 - Tectonics (1)
- GEO 217 - Invertebrate Paleontology (1)
- Two electives which must be at or above the 200 level

Note:

At least one of these must be at or above the 300 level. Supporting coursework in other sciences and mathematics is recommended.

German Studies Minor

Requirements

A minimum of six course credits beyond GER 103 including:

- GER 205 - Intermediate German: Topics-German Cultures (1)

One Course Chosen From

- GER 301 - Personal Narratives (1)
- GER 302 - In the Media (1)
- GER 311 - Introduction to Literature (1)

A Minimum of Three

GER literature, culture, or history courses conducted in English or German.

At Least One Course Credit

In German or a related area approved by the Department as relevant to the minor.

Note:

Courses at the 300-level are designated as being taught in German or in English. All lectures, discussions, and readings will be in the language of instruction.

History Minor

Requirements

A minimum of five course credits in History, at least three of which must be at the 300 level.

- HIS 280 - Internship (1)
OR
- HIS 380 - Internship (1)

- HIS 290 - Independent Study (1)
OR
- HIS 390 - Independent Study (1)

- HIS 485 - Research Tutorial (1) may not be counted toward the minor

International Relations and Comparative Government Minor

Requirements

Three minors are available corresponding to the three subfields in the Department. No course may be counted toward more than one minor under the supervision of the Department of Politics.

A Minimum of Five Course Credits in International Relations and Comparative Government

At least three of which must be at the 300 level. An appropriate internship may be substituted for one of the five courses. *Not available to students with an International Relations major.*

Kinesiology Minor

Requirements

A minimum of six course credits, including the following core courses:

- KIN 111 - Foundations of Kinesiology (1)
- KIN 207 - Systems Physiology (1) **OR** BIO 207 - Systems Physiology (1)

One Course to be Selected from

- KIN 206 - Exercise Psychology (1)
- KIN 212 - Sports and American Society (1)
- KIN 215 - Psychology of Sport (1)

Plus Three Electives to be Selected from

- KIN 205 - Coaching Endorsement or Authorization (1)
- KIN 206 - Exercise Psychology (1) *
- KIN 212 - Sports and American Society (1) *
- KIN 215 - Psychology of Sport (1) *
- KIN 220 - Ancient Greek Athletics (1)
- KIN 237 - Care and Prevention of Athletic Injuries (1)
- KIN 308 - Human Biomechanics (1)
- KIN 309 - Anatomy of Human Movement (1)
- KIN 310 - Nutrition for Health and Performance (1)
- KIN 311 - Methods for Individual Sports (1)
- KIN 315 - Physiology of Exercise (1)
- KIN 318 - Methods for Team and Dual Sports (1)
- KIN 334 - Motor Learning (1)
- KIN 362 - Exercise Testing and Prescription (Capstone) (1) (capstone)
- KIN 380 - Internship in Kinesiology (1) or a topics course offered in the department

Note:

At least two of these electives must be at or above the 300-level. *If not completed as a core course listed above (can't double count courses).

Latin American Studies Minor

Requirements

A minimum of five course credits and language proficiency to include:

- 205-level proficiency in Spanish or Portuguese;
- LAS 141 - Introduction to Latin American Studies (1) **OR** HIS 141 - Latin American History (1)

Four Courses

At least two different departments selected from

- POL 346 - Political Economy of Developing Countries (International Relations & Comparative Government) (1)
- SPA 109 - Topics in Hispanic Literature and Culture (in English) (1)

- SPA 311 - Introduction to Textual Analysis (1)
- SPA 411 - Seminar (1) (when the subject matter deals specifically with Latin America),
- SPA 383 - Latinos in the U.S. (1)

Note:

A maximum of one appropriate independent study course; relevant courses taken as part of an off-campus program and approved by the LAS Committee.

Mathematics Minor

Minor:

Two minors are available, Applied Mathematics and Mathematics. Students who earn a Mathematics major are not eligible for either minor and students may only be awarded one of the two minors.

Requirements

Minimum of five credits. Completion of the calculus sequence (through MAT 122); a minimum of four MAT courses which include

- MAT 221 - Linear Algebra (1)
- MAT 327 - Modern Algebra I (1) **OR** MAT 337 - Analysis I (1)

At Least Two other MAT Courses from the Following

Plus topics courses designated as eligible for the Mathematics Minor.

- MAT 231 - Fundamentals of Geometries (1)
- MAT 234 - Complex Variables (1)
- MAT 327 - Modern Algebra I (1)
- MAT 328 - Modern Algebra II (1)
- MAT 337 - Analysis I (1)
- MAT 338 - Analysis II (1)
- MAT 485 - Senior Capstone Project (1)

Music Minor

Requirements

A minimum of six course credits in Music which include the courses listed below and at least three additional courses in Music at the 200 level or above, selected in consultation with and approved by the Department, not to include MUS 212 or any 700 numbered course.

- MUS 110 - Music Theory I (1)
- MUS 210 - Music Theory II (1)
- MUS 310 - Music Theory III (1)

Philosophy Minor

Requirements

A minimum of six course credits in Philosophy which include

- PHI 111 - Introduction to Philosophy (1)
- PHI 202 - Ethics (1)
- PHI 203 - Logic and Critical Thinking (1) **OR** PHI 204

One from

- PHI 302 - Ancient Philosophy (1)
- PHI 304 - Modern Philosophy: Seventeenth Century (1)
- PHI 305 - Modern Philosophy: Eighteenth Century (1)
- PHI 306 - Modern Philosophy: Nineteenth Century (1)

Two Additional 300-level courses in Philosophy:

- PHI 3__
- PHI 3__

Physics Minor

Requirements

A minimum of five course credits in Physics which include

- PHY 161 - General Physics I (1)
- PHY 162 - General Physics II (1)
- PHY 263 - Laboratory Physics (1)
- PHY 265 - Modern Physics (1)
- At least one course in Physics at or above the 300 level

Political Thought Minor

Requirements

Three minors are available corresponding to the three subfields in the Department. No course may be counted toward more than one minor under the supervision of the Department of Politics.

A Minimum of Five Course Credits in Political Thought or Constitutional Law

At least three of which must be 300-level Politics Department courses.

- POL 361 - Race, Sex, and the Constitution (American Politics & Public Policy) (1)
- POL 365 - Constitutional Law: The American System (American Politics & Public Policy) (1)
- POL 366 - Constitutional Law: Rights and Liberties (American Politics & Public Policy) (1)

As Many as Two

Philosophy Department Courses in Political Philosophy may be counted toward the minor in Political Thought.

- PHI 307 - Marx and Marxism (1)
- PHI 353 - Philosophy of Law (1)
- PHI 354 - Political Philosophy (1)

Psychology Minor

Requirements

Minimum of six course credits in Psychology which include PSY 161, at least two 200-level courses, and at least two 300-level courses (excluding PSY 392, PSY 395, PSY 483, PSY 511, and PSY 512).

- PSY 161 - Fundamentals of Psychological Science (1)
- At least two 200-level courses
- And at least two 300-level courses

Note:

Although students who are completing the minor may enroll in the following courses to expand their exposure to psychology, these courses may not be included in the six course credits required for the minor: PSY 280/PSY 380 and PSY 290/PSY 390. A student must be a declared major in order to enroll in PSY 392 or PSY 483.

Religion Minor

Requirements

A minimum of five courses in Religion, to include the following:

- REL 222 - Religions of the World (1)

A minimum of four additional Religion courses, chosen such that both of the following criteria are met:

- a. All four courses may not come from a single religious tradition, and
- b. At least three of the four must be at the 300 level.

Russian Minor

Requirements

A minimum of five course credits in Russian which include

- RUS 205 - Intermediate Russian (1)
- RUS 301 - Composition and Conversation (1)
- RUS 302 - Contemporary Currents (1) **OR** RUS 303 - Language in Context (1)

Three Other Russian Courses at or Above the 300 Level

At least one of which must be a literature course conducted in Russian

One course in Russian history may be substituted to count towards the minor:

- HIS 321 - Muscovite and Imperial Russia (1)
- HIS 322 - Revolutionary and Soviet Russia (1)
- HIS 323 - Russia from 1941 (1)

Note:

The Russian minor is not available to students with a Russian Studies major.

Sociology Minor

Requirements

A minimum of six course credits in Sociology which include

- SOC 101 - Sociological Thinking (1) **OR** SOC 102 - Topics in Sociological Thinking (1)
- SOC 483 - Sociological Theory (1)
- SOC 484 - Research Design and Data Analysis (1)
- A minimum of two 300-level courses

May not be Counted Toward the Minor

- SOC 280 - Internship (1) **OR** SOC 380 - Internship (1)
- SOC 290 - Independent Study (1) **OR** SOC 390 - Independent Study (1)
- SOC 485 - Readings/Research in Sociology (1/2-1)

Note:

The Sociology minor is not available to students with a Sociology and Anthropology major.

Spanish Minor

Requirements

A minimum of five course credits in Spanish at or above the 300 level which include

- SPA 301 - Advanced Grammar and Composition (1)
- SPA 311 - Introduction to Textual Analysis (1)

One Elective

In Spanish or in another area approved by the Department

At least one course in two of the following concentrations:

Literature and Cultures of Spain:

- SPA 320 - Madrid: Pop of Culture (1)
- SPA 323 - Sex, Gore and the Power of the Pen: 16th and 17th Century (Con)Textual Relationships (1)
- SPA 325 - Collateral Cultures: Voices from the Periphery (1)

Latin American and Caribbean Literatures and Cultures:

- SPA 350 - Identity and Alterity in Latin American Literature (1)
- SPA 353 - Revolution and Resistance in Caribbean Literature and Culture (1)
- SPA 357 - The Boom and Post-Boom in Latin America (1)

Hispanic and U.S./Latino Literatures and Cultures:

- SPA 383 - Latinos in the U.S. (1)
- SPA 384 - Women in the Hispanic World (1)
- SPA 385 - Latin American Culture and Civilization (1)

Studio Art Minor

Minors:

Two minors are available. No courses, except ART 103 and ART 104, may be counted toward more than one minor under the supervision of the Department of Art and Art History. Transfer students must take at least three courses from the Cornell College Department of Art and Art History.

Requirements

A minimum of six course credits in art and art history which include at least four studio art courses [SA], and two art history courses [AH], one of which must be ART 260, ART 264, ART 362, or ART 363. Individual projects and tutorials in art history (ART 292 and ART 392) or studio art (ART 291 and ART 391) will not be counted toward fulfillment of the minor.

Theatre Minor

Requirements

- THE 115 - Basic Acting (1) **OR** THE 216 - Voice and Movement (1) **OR** THE 310 - Acting Studio (1)
- THE 107 - Stagecraft (1) **OR** THE 108 - Costume Construction (1)
- THE 201 - Play Analysis (1)
- THE 346 - Theatre of Ritual, Reverence, Revelry and Revolt (1) **OR** THE 347 - Theatre of Resistance (1)

One Credit

Comprised of at least two different participation quarter-credit courses chosen from the following:

- THE 715 - The Rehearsal Process (1/4)

- THE 750 - General Production Practicum (1/4)
- THE 751 - Scenery and Props (1/4)
- THE 752 - Costumes and Make-up (1/4)
- THE 753 - Lighting and Sound (1/4)
- THE 754 - Theatre Administration (1/4)

Certification

Art K-12 Certification

K-12 Certification

Students who seek licensure to teach art, music, or physical education will be recommended for certification in grades K-12 after completing the following courses in addition to the respective major requirements:

Requirements

- Major in Studio Art. Must include one course in painting and one in sculpture (students are strongly advised to take classes in a variety of media)
- EDU 301 - Secondary Curriculum and Instruction (1)
- EDU 328 - Secondary Literacy, Pedagogy, and Management Theory (1)
- EDU 303 - Secondary Art Methods (1)
- ART 371 - Art Methods (1) (offered as an independent study - see Education Department for details)
- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1) (Student Teaching placement is split between elementary and secondary classrooms)
- EDU 483 - Senior Seminar (1)

Chemistry ACS Certification

Requirements

A minimum of 12 course credits in Chemistry (11 courses if CHE 161 is taken), which must include

- CHE 121 - Chemical Principles I (1)
- CHE 122 - Chemical Principles II (1)
- CHE 202 - Analytical Chemistry (1)
- CHE 225 - Organic Chemistry I (1)
- CHE 323 - Physical Chemistry I (1)
- CHE 324 - Physical Chemistry II (1)

- CHE 326 - Organic Chemistry II (1)
- CHE 327 - Organic Chemistry Laboratory (1)
- CHE 333 - Advanced Analytical Chemistry (1)
- CHE 334 - Biochemistry (1)
- CHE 335 - Advanced Inorganic Chemistry (1)
- One additional course at the 300 level excluding CHE 380
- A major research experience
- PHY 161 - General Physics I (1)
- PHY 162 - General Physics II (1)
- PHY 263 - Laboratory Physics (1)
- Mathematics through MAT 221 - Linear Algebra (1)

Note:

Students seeking certification should confer with the Department chair to make certain that they will satisfy all the requirements.

English/Language Arts Secondary Certification (Grades 5-12)

Certification Tracks

The Education Department offers coursework toward the completion of licensure requirements in several endorsement areas in conjunction with an approved major. Students must follow their major requirements in addition to satisfying each of the licensure requirements described below.

Note:

If students choose to pursue a BSS degree, they must check with an education professor to make sure they are meeting the general education requirements as stipulated by the State of Iowa.

Secondary Certification

Foundational Courses:

- EDU 205 - Historical Foundations of Education (1)
- EDU 215 - Educational Psychology (1)
- EDU 230 - Exceptional Learner (1)
- EDU 240 - Education and Culture (1)

Reading in the Content Areas

- EDU 328 - Secondary Literacy, Pedagogy, and Management Theory (1)

Secondary Curriculum and Instruction

- EDU 301 - Secondary Curriculum and Instruction (1)

Student Teaching and Senior Seminar

- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1)
- EDU 483 - Senior Seminar (1)

In Addition

Students should take the courses as specified by the following endorsement areas:

- Major in English (to include ENG 311; and one course from ENG 323, ENG 324, or ENG 327; and one course from ENG 343, ENG 345, or ENG 347).
 - Not required to take ENG 412 / ENG 413 since the EDU 483 Senior Seminar counts as the second seminar for the major.
- EDU 302 - Secondary English Methods (1)
- INT 121 - Communication in Education (1)

Foreign Language Secondary Certification (Grades 5-12)

Certification Tracks

The Education Department offers coursework toward the completion of licensure requirements in several endorsement areas in conjunction with an approved major. Students must follow their major requirements in addition to satisfying each of the licensure requirements described below.

Note:

If students choose to pursue a BSS degree, they must check with an education professor to make sure they are meeting the general education requirements as stipulated by the State of Iowa.

Secondary Certification

Foundational Courses:

- EDU 205 - Historical Foundations of Education (1)

- EDU 215 - Educational Psychology (1)
- EDU 230 - Exceptional Learner (1)
- EDU 240 - Education and Culture (1)

Reading in the Content Areas

- EDU 328 - Secondary Literacy, Pedagogy, and Management Theory (1)

Secondary Curriculum and Instruction

- EDU 301 - Secondary Curriculum and Instruction (1)

Student Teaching and Senior Seminar

- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1)
- EDU 483 - Senior Seminar (1)

In Addition

Students should take the courses as specified by the following endorsement areas:

- Major in Spanish, French, Latin (individualized), Russian, or German
- EDU 304 - Secondary Foreign Language Methods (1)

Mathematics Secondary Certification (Grades 5-12)

Certification Tracks

The Education Department offers coursework toward the completion of licensure requirements in several endorsement areas in conjunction with an approved major. Students must follow their major requirements in addition to satisfying each of the licensure requirements described below.

Note:

If students choose to pursue a BSS degree, they must check with an education professor to make sure they are meeting the general education requirements as stipulated by the State of Iowa.

Secondary Certification

Foundational Courses:

- EDU 205 - Historical Foundations of Education (1)
- EDU 215 - Educational Psychology (1)
- EDU 230 - Exceptional Learner (1)
- EDU 240 - Education and Culture (1)

Reading in the Content Areas

- EDU 328 - Secondary Literacy, Pedagogy, and Management Theory (1)

Secondary Curriculum and Instruction

- EDU 301 - Secondary Curriculum and Instruction (1)

Student Teaching and Senior Seminar

- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1)
- EDU 483 - Senior Seminar (1)

In Addition

Students should take the courses as specified by the following endorsement areas:

- Major in Mathematics (to include MAT 231. Do not need MAT 485 as EDU 483 serves as the capstone).
- EDU 305 - Secondary Math Methods (1)

Music K-12 Certification

K-12 Certification

Students who seek licensure to teach art, music, or physical education will be recommended for certification in grades K-12 after completing the following courses in addition to the respective major requirements:

Requirements

- Major in Music Education (MUE)

- EDU 328 - Secondary Literacy, Pedagogy, and Management Theory (1)
- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1) (Student Teaching placement is split between elementary and secondary classrooms)
- EDU 483 - Senior Seminar (1)

Physical Education K-12 Certification

K-12 Certification

Students who seek licensure to teach art, music, or physical education will be recommended for certification in grades K-12 after completing the following courses in addition to the respective major requirements:

Requirements

- Major in Kinesiology (Physical Education Concentration)
- EDU 328 - Secondary Literacy, Pedagogy, and Management Theory (1)
- Note: for the K-12 endorsement students take both KIN 324 (elementary PE methods) and KIN 331 (secondary PE methods)
- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1) (Student Teaching placement is split between elementary and secondary classrooms)
- EDU 483 - Senior Seminar (1)

Science Secondary Certification (Grades 5-12)

Certification Tracks

The Education Department offers coursework toward the completion of licensure requirements in several endorsement areas in conjunction with an approved major. Students must follow their major requirements in addition to satisfying each of the licensure requirements described below.

Note:

If students choose to pursue a BSS degree, they must check with an education professor to make sure they are meeting the general education requirements as stipulated by the State of Iowa.

Secondary Certification

Foundational Courses:

- EDU 205 - Historical Foundations of Education (1)
- EDU 215 - Educational Psychology (1)
- EDU 230 - Exceptional Learner (1)
- EDU 240 - Education and Culture (1)

Reading in the Content Areas

- EDU 328 - Secondary Literacy, Pedagogy, and Management Theory (1)

Secondary Curriculum and Instruction

- EDU 301 - Secondary Curriculum and Instruction (1)

Student Teaching and Senior Seminar

- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1)
- EDU 483 - Senior Seminar (1)

In Addition

Students should take the courses as specified by the following endorsement areas:

- Major in Biology (do not need BIO 485), Chemistry: Education Concentration, Geology, or Physics
- EDU 307 - Secondary Science Methods (1)

Social Studies Secondary Certification (Grades 5-12)

Certification Tracks

The Education Department offers coursework toward the completion of licensure requirements in several endorsement areas in conjunction with an approved major. Students must follow their major requirements in addition to satisfying each of the licensure requirements described below.

Note:

If students choose to pursue a BSS degree, they must check with an education professor to make sure they are meeting the general education requirements as stipulated by the State of Iowa.

Secondary Certification

Foundational Courses:

- EDU 205 - Historical Foundations of Education (1)
- EDU 215 - Educational Psychology (1)
- EDU 230 - Exceptional Learner (1)
- EDU 240 - Education and Culture (1)

Reading in the Content Areas

- EDU 328 - Secondary Literacy, Pedagogy, and Management Theory (1)

Secondary Curriculum and Instruction

- EDU 301 - Secondary Curriculum and Instruction (1)

Student Teaching and Senior Seminar

- EDU 410 - Student Teaching I (1)
- EDU 420 - Student Teaching II (1)
- EDU 430 - Student Teaching III (1)
- EDU 483 - Senior Seminar (1)

In Addition

Students should take the courses as specified by the following endorsement areas:

- Major in History, Economics/Business, Politics, Sociology, or Psychology
- EDU 306 - Secondary Social Studies & History Methods (1)
- *Social studies students in ECB, POL, SOC, and PSY are strongly advised to include four courses in history (American and world)*

Other Degrees

Bachelor of Special Studies, B.S.S.

The Bachelor of Special Studies degree offers Cornell students the opportunity to design their own liberal arts degree program in order to meet their particular educational goals. This opportunity permits students to combine courses in an individualized fashion and to broaden or deepen their studies beyond the traditional framework of the Bachelor of Arts. Accordingly, the B.S.S. has no general education requirements and no restrictions as to either the number of courses that may be taken in any one department or the level of such courses, or even that a student complete traditional course work. Moreover, while students pursuing a B.S.S. degree may complete one or more departmental, interdisciplinary, or individualized majors, they are not required to complete an academic major.

The particular requirements for the Bachelor of Special Studies degree are:

- complete a minimum of 31 course credits;
- achieve a cumulative grade point average of 2.0 or higher;
- file for candidacy by submitting the Prospectus at any time after October 1 of the sophomore year; and
- complete a minimum of 12 course credits after the Prospectus is approved. (Transfer students admitted with senior standing must complete a minimum of six course credits.)

The Bachelor of Special Studies degree is defined by the Prospectus, a detailed plan outlining the student's B.S.S. degree program. The Prospectus incorporates a narrative description of the program and a chronology of courses that will be taken by the student to fulfill the goals outlined in the narrative description. The Prospectus is to be written by the student, reviewed and signed by a faculty committee composed of a primary advisor and two readers, and filed with the Registrar, who verifies that it is complete and that it meets current academic regulations as set forth by the Faculty. The signed Prospectus is considered an agreement between the student and the College.

Course changes that involve substitution of courses accomplishing the same goals as courses originally projected require only an add/drop form as documentation of the changes. However, significant deviations from the program outlined in the Prospectus must be justified in a letter to the Registrar written by the student and approved by the student's B.S.S. faculty committee before the student may change the agreement. Significant deviations would include:

- a shift in emphasis or direction of the program of study;
- the addition or deletion of a major or minor;
- a decrease in the ratio of upper-level to lower-level courses; or
- the substitution of three or more independent studies or internships for scheduled courses.

If you have questions concerning the Bachelor of Special Studies degree, please contact the Registrar or your academic advisor.

Instructions and General Information for Students Contemplating the Bachelor of Special Studies

1. Obtain a copy of the guidelines for the Narrative and the Chronology at the end of your first or the beginning of your second year (available in the Registrar's Office and on the web site at <http://www.cornellcollege.edu/registrar>).
2. Discuss your proposed B.S.S. program with your advisor or one or more members of the faculty.
3. Choose a committee of three faculty members including a primary advisor who will help you create your B.S.S. program and two faculty readers who, along with your primary advisor, will review and sign your Prospectus. The primary advisor and faculty readers must either be members of the full-time teaching faculty or part-time members who have been selected by the Department or Program to advise B.S.S. students. Some departments may choose certain members to advise all of their B.S.S. students. If you declare one or more majors, your primary advisor must be a member of a department in which you will have a major.
4. In conjunction with your primary advisor, begin planning your B.S.S. program prior to registering for your junior year. Write a 500-1,000 word Narrative and complete the Chronology. Rewrite until your primary advisor gives initial approval to your Prospectus.
5. Circulate your Prospectus to two faculty readers and schedule a group meeting with your primary advisor and your two faculty readers. After this review, your faculty committee may either approve and sign your Prospectus, or suggest revisions to strengthen it. If revisions are suggested, rewrite and re-circulate the revised document to each of your three

committee members for their approval. Once approved, the Prospectus must be signed by each member of the faculty committee and filed with the Registrar, who will verify that it is complete and meets current academic regulations as set forth by the Faculty.

Your faculty committee will evaluate the Prospectus according to these criteria:

- Is it technically well-written (grammar, spelling, organization)?
 - Is it conceptually well-written (articulation of program clear, goals achievable, means reasonable)?
 - Is the Chronology consistent with the Narrative?
 - Is the plan consistent with the educational priorities of the College?
 - Are the activities outside the classroom, in BSS 690 Blocks or other experiences, consistent with the Narrative and the Chronology?
6. File your Prospectus with the Registrar any time after October 1 of your sophomore year. If it is complete and found to conform to current academic regulations, the Registrar will notify you of its approval. The Prospectus will become part of your permanent file at the College.
 7. You must obtain the written permission of your faculty committee for any significant changes from the Prospectus before effecting such changes. If in doubt as to whether the changes are significant, consult your primary advisor or the Registrar. Further details can be found in the BSS Preparation and Submission Checklist on the Registrar's website-<http://www.cornellcollege.edu/registrar/pdf/bss-form.pdf>.
 8. In the fall of the student's senior year, the Registrar will review each candidate's B.S.S. program to determine whether the student has registered for the same or similar courses as are listed on the Chronology of Courses included in the student's Prospectus. (This review occurs during the senior conference, described in the Catalogue section on Degree Programs.) A student who has made significant deviations from the B.S.S. Prospectus without prior written approval of the faculty committee will not be awarded the B.S.S. degree.